

Incorporated with Green's Fruit Grower, May 15th, 1902.

"GARDEN and FARM"

GREEN'S

FRUIT GROWER

AND

HOME COMPANION

Twenty-fourth Year.—No. 2.

ROCHESTER, N. Y., FEBRUARY, 1904.

Monthly, 50 Cents a Year.

Our HEALTH DEPARTMENT

Health Notes by the Editor.

Colic.—For colic, or pain in the stomach, take 1-2 teaspoonful of peppermint essence in half a glass of hot water.

Smothered.—In one section of England and Wales one thousand, five hundred and nine infants were suffocated while in bed with their parents or nurses during the last ten years. In one year one thousand, seven hundred and seventy-four cases were reported by the Bilious Medical Journal.

Constipation.—Is the bane of mankind, especially for those who spend most of their time indoors without much exercise. There is no rule which will apply to all persons. Doctors say it is not well to be ever taking cathartics, but some people must take them. Each person should study his case and act accordingly. To purge the bowels often is disastrous, but by testing some mild cathartic, and learning just how much and how often to take it, you can bring about a mild action of the bowels without injury. I have taken for years Welch's sodium phosphate, one teaspoonful each morning in a glass of water. This acts mildly. I have also in place of above, a selditz powder (or half of one) every other morning. There are many similar mild remedies. Schenk's mandrake pills are good for biliousness or serious constipation, but they are too thorough to be taken often. Anything that purges the bowels violently is weakening and should be avoided, except in occasional protracted cases of constipation. Eat apples freely, drink two quarts of water daily. Do not overeat. Eat no pies or cakes. Do not exhaust yourself with overwork. Take daily exercise out doors.

Heartburn.—This trouble is usually not caused by any affection of the heart. It is more often caused by sourness of the stomach. One-fourth of a teaspoonful of common cooking soda taken in half a glass of water will usually give immediate relief.

Uses of Salt.—A proper amount of salt is healthful to man. The kidneys will not continue in health without it. But an over supply of salt in the system will in time endanger the kidneys, and cause Bright's disease.

Care of Children's Eyes.—School children may easily injure their eyes by continuous study under unfavorable circumstances. The light may be too strong. It should never fall full upon the eyes. The eyes should be shaded, permitting the light to fall only upon the printed page. In old times people used to read easily by the light of a tallow candle, but they have accustomed their eyes to such bright lights many are not now contented unless they have several electric lights near them when reading, thus there is more danger now of children's eyes being impaired than in old times when milder lights were used.

Care of the Ears.—Many people who are deaf might have preserved their hearing if they had consulted a physician when the trouble first began. Earwax often accumulates in the ear caus-

ing a roaring sound, or difficulty of hearing, but this can easily be removed by a physician. Do not attempt such work yourself by probing. Never pour oil or other liquids in the ear. The ear-drum is a sensitive organ, easily injured. Not long ago something was wrong with one of my ears. I could not hear well. My doctor syringed the ear with warm water repeatedly and I was entirely relieved. If I had delayed this for a long time I might have lost my hearing.

Causes of Colds.—Colds are less often caused by exposure than by over-eating. When your system is in perfect condition it will be difficult for you to catch cold, but when your system is clogged and your vitality reduced you make take cold without exposure. It is the same with other diseases. When we are strong and vigorous the germs of disease have no effect upon us though the germs may be present in our mouths, as they often are; but the moment we become reduced in vitality then the disease germs have an opportunity to fasten their fangs upon us.

Exposure.—It is marvelous to consider how we can accustom ourselves to exposure so as to endure it without injury. An Esquimaux says he has not recently enjoyed himself until recently, when the thermometer was twenty degrees below zero. During the coldest morning he cut a hole in the ice of the pond and leaped in for a bath, receiving as he claimed, much benefit. Two consumptive girls began last summer to sleep out doors all night and continued this sleeping out doors all the present winter. They have regained their health, have increased in weight and express no discomfiture from sleeping outdoors on the coldest winter night. When they enter the house and the temperature marks fifty they feel uncomfortably warm. Most people do not expose themselves enough to the rigors of the weather. One reason why we house our domestic animals so closely is to economize food. If animals were exposed to the winds and storms by degrees they may be healthy and happy, but they will require more food.

Coughing.—A lady friend enjoying fairly good health, has coughed for fifteen years, yet she does a full day's work regularly. You should learn to cough gently if you must cough at all. It is possible to encourage coughing until it becomes a permanent habit. When you feel impelled to cough attempt to repress it, but if this is impossible cough as gently as possible, otherwise you may strain sensitive parts.

Deadly Combs.—Most combs are made of celluloid which is somewhat similar to gun cotton. When heated these combs will ignite and burn continuously with a fierce flame. The back of brushes and combs are often made of celluloid. Many women have lost their lives by having celluloid combs in their hair which came in close contact with the flame, or with a heated stove or stovepipe, and thus became ignited. It is difficult to extinguish this flame.

Over Eating.—Some years ago I met an old school friend at a restaurant where I was about to take my dinner. We sat down at the same table. We were each served with a large thick slice of roast beef, in addition to many other dishes of vegetables, etc. I could not

eat half of my slice of beef, but my friend ate all of his and called for an additional slice equally as large. He ate excessively and I marveled at his stomach's capacity. Recently I have learned of the death of my friend. It has occurred to me that possibly he had the habit of over eating. The great mass of mortals eat too much. Our health and vigor does not depend so much upon the quantity of food we eat as upon the amount of food that is assimilated or properly digested. When the stomach is crammed with food the digestive organs have more work to do than they can do well, thus the stomach is clogged and pains and trouble ensue. The moderate eater is likely to be the healthier and longer lived. All that we take into our stomachs in excess of that which is needed assists in clogging and poisoning the system.

Most people eat too much food. There is a foolish notion prevalent that no social gathering can be complete without feasting. The American people are notorious for feasts, often given late at night. These do much to shorten life. If you desire something in place of coffee or tea which are so injurious, use imitation coffee, made of scorched grain, cocoa or chocolate. Most people eat too rapidly. Food carefully chewed will digest in much less time than that swallowed hastily. The mind should be free from care and anxiety while eating.

Doctors often do good work, and their presence is often greatly to be desired, but in many instances they are called in when it is unnecessary. You can tell whether your child or friend is very sick by examining the pulse and the temperature. The average pulse is 70 to 80. If you find it 90 or above, in cases of ailment, you should call a doctor. If there is much fever, or serious chills, you should call a physician. These are both unfavorable symptoms, but when there is no fever or chills or excessively rapid pulse, there cannot be any serious disorder. A good doctor is a true friend to any family, but there are physicians who deceive, and others whose main object is to drain the purses of their patients. Doctors do not like to be called out at night; they are allowed double pay for night calls.

Surgery Safeguarded by Antiseptics.—To Joseph Lister belongs the honor of the discovery of antiseptics as applied in surgery. Before Lister operations on the abdominal cavity were attended by a mortality of fifty per cent; since then this has been reduced to about 5 per cent. Before Lister, operations involving the opening of the skull were almost invariably fatal; since then operations on and around the brain have a mortality quite comparable to that of abdominal surgery. Thirty years ago the removal of a tumor from the stomach or intestine, or the opening of an abscess in the brain would not have been thought of; the disease was simply allowed to run its course till death. Today these are common surgical operations, and they have preserved thousands of useful lives.

To Stop Bleeding.—In the case of a severe cut from a knife or razor try the immediate use of finely powdered rice or flour to the wound; this has been a great success in almost stopping the flow of blood from a severe cut.

Health Suggestions.

Neuralgia in the Face.—For pain in the face and teeth take two teaspoonsful of flour, the same quantity of grated ginger, and mix them well together with sufficient alcohol to make a thin paste. Spread this on a linen rag and apply it on the part affected on going to bed, wrapping a piece of flannel over all, and it will effect a cure.

Tonic Value of Apples.—Everybody knows the tonic value of apples upon the system. Of all our ordinary fruits, apples, if eaten regularly, are most generally beneficial. Indeed, an old adage says: "An apple a day drives the doctor away." And many a man or woman noted for his or her good health ascribes it to the plentiful eating of apples.

Hair Tonic or Wash.—A good hair tonic is made as follows: Bay rum, 4 ounces; rain water, 4 ounces; quinine, 20 grains. This is one of the best hair tonics and restoratives for general daily use known. It promotes vigorous growth, and keeps the hair soft and glossy. If the hair is very light, falls out and breaks, the quinine wash should be applied every night before retiring.

Look After the Quiet Child.—A child who is always quiet should be watched carefully, for it is quite an unnatural state of affairs, and shows that something is wrong. Those who go much among the schools of the very poor know that it often means lassitude from want of proper nourishment. If it occurs in the children of the better off it shows that vitality is low, and that for some reason or another the food is not giving the strength it should do.

A Simple Home Remedy.—Boric acid is a simple home remedy. Mixed with vaseline, it forms one of the cheapest and safest ointments for cuts and bruises. Boracic acid dusted into the sleeves of dresses which have been worn when exercising removes all disagreeable traces of perspiration. Handkerchiefs, which have been used when colds and influenza are prevalent, should be sprinkled with boracic acid powder, or, better still, should be steeped in a strong solution of it and water before being sent to the wash.

Giving Medicine.—Bear this in mind when you give medicine: Read the label on the bottle; shake the bottle before you pour it out; even if the bottle is marked, it is safer to measure the dose in a properly marked glass; a medicine glass should be in every house; medicine ordered three times a day should be given at 10 a. m., 2 p. m., and 6 p. m.; if the direction is that it is to be taken every four hours, give it at 8 a. m., 12 noon, 4 p. m., and 8 p. m.; do not give medicine in the night unless the doctor has told you distinctly to do so; iron is always best taken after food; quinine should be taken before food; hot milk and coffee disguise the taste of cod liver oil better than anything else. Pour a little coffee and milk into the cup first, then the oil, then more coffee, and one will hardly know he has taken the medicine.

If it had been now, it might have been worse. Has God denied thee the comforts of this life? He might have denied thee Christ, peace and pardon also; and then thy case had been woeful indeed.—John Flavel.

The Elberta.

Last summer when we parted, sweet
Elberta!
You looked quite fair enough to eat,
Elberta!
Yet this for absence may atone,
Since last we met you've fairer grown;
Yes, though you have a heart of stone,
Elberta, you're a peach!

Your cheeks reflect the sunset glow,
Elberta!
Your rounded outlines allure me so,
Elberta!
Your breath is sweet as summer dew;
Your life blood richly flowing through
Imparts a matchless charm to you.
Elberta, you're a peach!
—“American Florist.”

Monahan's Adventures—No. 3.**HIS EXPERIENCE ON A NEW FARM**

Written by C. F. White for Green's
Fruit Grower.

Monahan disposed of his home and of all his business interests to his partner and on January 4th he purchased a 640 acre farm in Southern Oklahoma. He immediately telephoned for his family to come post haste to the land of sunshine. January 8th Monahan took possession, moved his furniture and family into the roomy house, and became a full-fledged farmer. His first two days were spent blistering his knees and mashing his fingers putting down carpets. Then one day was spent skirmishing among the neighbors, buying chickens. Monahan was a poultry fancier, and was going to raise fine chickens to such an extent that he would soon be known as the king of the cock pit.

The next two days were spent in doing chores, and not seeing a soul besides his family Monahan became melancholy. He was getting lonesome. About 4 o'clock on the afternoon of the 13th, Monahan saw a cloud of dust rise on the horizon. He held his breath by spells for fifteen minutes. Finally a good looking young man drove up, and introduced himself as Willis Schaffer, a nursery salesman. He was a good talker, and Monahan was so glad to see him that in less than one hour Monahan had purchased \$382.67 worth of apple, peach, plum, cherry, pear and crab trees. Schaffer was forced to stay for supper, and Monahan's oldest daughter got sweet on him and induced her father to buy \$28.35 worth of rose bushes. Schaffer was invited to stay all night, and as business was good he did not decline the invitation. Next morning Mrs. Monahan showed her hand, and the result was that Schaffer booked an order for \$86.70 worth of vines and shrubbery.

Monahan insisted that Schaffer go over the farm with him and give an expert opinion on its value. The opinion and value both being satisfactory, Monahan showed his appreciation by purchasing \$48.16 worth of gooseberry, currant, blackberry and raspberry bushes. This concluded Monahan's purchases, as Schaffer did not handle peanut bushes.

Next day an agent with a patent churn appeared upon the scene, and Monahan purchased three churning and the county right.

The churn agent had hardly left the premises when a windmill agent drove up. He was tall and wore bushy whiskers. He failed to make a sale, as Monahan always said he never liked men who wore two mustaches on their jaw.

Monahan was sitting on the front porch watching the windmill agent disappear down the road, when he noticed one of his hens acting queerly. He captured the hen, cut her head off, and ordered Mrs. Monahan to prepare chicken pot pie for supper. She began to dress the chicken, and was surprised to find a large opal in its craw. The opal was one inch in diameter and a beauty. Monahan said he would have it set into a shirt bosom stud. Next day he drove thirteen miles to town, and ordered the jeweler to set the opal. The jeweler asked Monahan if he was going to wear the stud himself. Monahan said he wasn't going to put it on a cow bell. The jeweler said he wouldn't wear it for \$100 a day. Monahan said he defied the laws of superstition, and, when set, placed the stud in his shirt bosom and started for home. It was just getting dark when he reached a creek about three miles from his farm. The horse shied at a colored boy on the bridge, and jumped into the creek, taking Monahan and the rig with him. The horse was drowned, and Monahan walked home saying the Lord's prayer backwards at every rod. He reached home about midnight, tired and hungry. He swore Mrs. Monahan had hired the colored boy to stand on the bridge and scare his horse. He ate seven pieces of corn-bread, and went to bed. He kept his wife awake all night. At four-minute intervals he would cry out, “I defy the laws of superstition.”

Next morning a seed agent appeared and booked an order for \$16.23, which comprised several varieties of vegetable seed and one bushel of Georgia Rattle-



Many subscribers of Green's Fruit Grower live in homes like the above, located in villages and cities. If you will study the arrangement of the vines, shrubs, and trees, you may be helped in your planting.

snake watermelon seed. Monahan said his investment for the plantation (he was going to change the name of thought plantation sounded bigger than the famous watermelon to Oklahoma farm), and to show his appreciation of Rattlesnake watermelon in less than a year. Mrs. Monahan and the girls put in their 2 cents' worth, and the seed agent booked an order for \$8.10 worth of flower seeds.

The next caller was an insurance agent. Monahan, longing for excitement, picked a fight out of him, and the result was a general knockdown and drag out. Mrs. Monahan and the children rescued Monahan, who then went before a looking glass and took an inventory of himself. His only injury was a black eye. He felt elated to think that he had drawn first blood, as the insurance agent had retired from the field of battle with a bloody nose.

Early that night Monahan's barn burned down. He swore the insurance agent was getting revenge. Monahan had the nightmare all night, and at five-minute intervals would cry out, “I defy the laws of superstition.”

Next day he and ‘Rastus, an old negro employee, began painting the house. The job was finished in three days, and as the last ladder was being taken down it fell and broke Monahan's left arm. All that night he howled, “I defy the laws of superstition.”

Soon after the nurseryman arrived with the nursery goods, and Monahan worked like a Turk for two days, planting trees, shrubbery, rose bushes, etc., and the result of his labor was in evidence. The old neglected place took on the appearance of a garden of Eden. Monahan said the place looked like paradise, and he would not take double

The next week was spent in building a new barn, which was dedicated with a dance, which was a howling success. Schaffer was there, and, with Monahan's oldest daughter, led the grand march. At 12 o'clock there were 406 couples present and Monahan had only one keg of beer, and he was sitting on it. Some of the boys put up a job on him and started a mock fight. Monahan rushed over to separate the participants, and the keg of beer disappeared. Monahan lost a silver dollar in the shuffle. ‘Rastus was looking for it. Monahan lit a match and accidentally set ‘Rastus' whiskers on fire, and the guests all went home feeling that they had got their money's worth.

Thus ended Monahan's first month's experience as a farmer.

Horses Learn.—“The man who does not think that horses have good, hard sense simply does not study them,” remarked a well known liverymen, to a Post man, says Washington Post. “I believe they are the most peculiar as well as the best natured of all animals. I have dealt in and handled horses for many years, and the more I see of them the more I am impressed with their intelligence. Sometimes their intelligence surpasses anything one would expect from a dumb animal and would scarcely be believed by one not acquainted with their habits and mental—I suppose mental is proper—capacity.”

Take Hold and Lift

Did you accept our suggestion? Did you help us lift our load? That is, did you renew your subscription to Green's Fruit Grower or did you put off that important work? I am waiting here in suspense asking the question, “Are you going to take hold and lift?”

Charles A. Green.

Horse History.—The American Museum of National History has charted the ancestry of the horse back to the time when it was no larger than a cat, with four complete toes on each forefoot and three on each hindfoot. The hoofs of the horse to-day are but the middle claws, the superfluous ones having disappeared in evolution. The text matter of a pamphlet issued by the museum says in part: “In the series of ancestors of the horse we can trace every step in the evolution of those marked peculiarities of teeth and feet which distinguished the modern horse from an ancestor which so little suggests the horse that when the remains were first found, forty years ago, no relationship whatever was suspected.”

Good Roads.—Colonel Killebrew considered the road question the most important one before the American public. Leading the world in everything else, the United States was last in good roads. He argued that if the \$480,000 which he claimed had been practically wasted on rivers and harbors had been expended on roads the country would be much better off. Most state road laws are farces and of the \$110,000,000 wasted annually Tennessee wastes nearly \$4,000,000. Colonel Killebrew advocated government aid in building roads.

A farmer who had engaged the services of a son of the Emerald Isle sent him out one morning to harrow a piece of ground. He had not worked long before nearly all the teeth came out of the harrow. Presently the farmer went out into the field to take note of the man's progress and asked him if he liked the work.

“Oh,” he replied, “it goes a bit smoother since the pegs have come out.”

“Why do you think she is so very much in love with him?”

“Because she let him hang the mistletoe over her favorite chair.”—Chicago Post.

The famous Maelstrom whirlpool is four geographical miles in diameter.

**MY PIGS AT 5 MONTHS OF AGE WEIGH 250 LBS.**

International Stock Food Co.

DELL ROY, O., Sept. 24, 1903.

GENTLEMEN:—I am showing a herd of Berkshire hogs that I have fed “International Stock Food” from the time they came, and I am a winner in the show ring. I have pigs that came in April that weigh 250 lbs. each. I sold one pig just nine weeks old that weighed 85 lbs. Its mother was fed “International Stock Food” three times per day after the pigs were four days old. I fed her “International Stock Food” six weeks before she had her pigs.

I have a herd of short-horn cattle that I fed “International Stock Food” to all the year around, and it paid me big. I fed it to my ewes and lambs with the best results. To make a long story short, I can't nor won't be without it. I recommend “International Stock Food” to all breeders of fine stock.

Very respectfully, CLARK GAMBLE.

We have hundreds of thousands of similar testimonials and will pay you \$10,000 cash to prove that they are not genuine and unselected. “We

BEWARE OF CHEAP IMITATIONS AND SUBSTITUTES. WRITE US ABOUT “INTERNATIONAL STOCK FOOD.”

A \$3000.00 STOCK BOOK FREE

BOOK CONTAINS 183 LARGE ENGRAVINGS OF HORSES, CATTLE, SHEEP, POULTRY, ETC.

The Cover of this Book is a Beautiful Live Stock Picture ⁴² Printed in Six Brilliant Colors, and Without Any Advertising on it. This Book is \$10 by 9½ inches. It costs us \$3000 to have our Artists and Engravers make these Engravings, which are the finest engravings of Horses, Cattle, Sheep, Eggs and Poultry that you have ever seen. They are all made from actual photographs and are worthy of a place in any library. It also gives Description, History and Illustrations of the Different Breeds of Horses, Cattle, Sheep, Eggs and Poultry. It contains fine Engravings of many very noted Animals. ⁴² It Contains a finely illustrated Veterinary Department. This Will Give You Hundreds of Dollars, because it describes all common diseases and tells you how to treat them. The Veterinary illustrations are large and scientific and better than you can obtain in any other book regardless of price.

WE WILL PAY YOU \$10.00 CASH IF BOOK IS NOT AS DESCRIBED
WE WILL MAIL ONE COPY OF THIS BOOK TO YOU ABSOLUTELY FREE, WITH POSTAGE PREPAID, IF YOU WILL WRITE US AT ONCE,
LETTER OR POST CARD, AND ANSWER THESE TWO QUESTIONS:

42-1st.—NAME THIS PAPER. 42-2nd.—HOW MUCH STOCK HAVE YOU?

Address at Once.... INTERNATIONAL STOCK FOOD CO., MINNEAPOLIS, MINN., U.S.A.

42-A BEAUTIFUL COLORED PICTURE OF THE CHAMPION STALLION DAN PATCH 1-163 (See \$1 by 9½) MAILED YOU FREE IF YOU SEND FOR THIS BOOK—42



Largest Stock Food Factory in the World.
Capital Paid in, \$2,000,000.
75,000 Feet of Space in Our New Factory.
Contains Over 16 Acres of Space.



WE WILL PAY YOU \$1,000 IN CASH

If We Ever Refuse to Refund Money on Our Positive “Cash Guarantees.” Printed on Every Label of Each of These Preparations.
International Stock Food... International Poultry Food... International Harson Soap... Silver Pine Healing Oil...
International Colic Cure... Remarkable egg producer... International Worm Powder... Wonderful quick cure for Barb-wire cuts, etc.
International Gall Cure... and guaranteed to insure good health and very rapid growth... International Heart Cure... Internally composed Absorbent...
International Liver Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Lung Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Skin Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Bone Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Eye Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Ear Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Nose Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorbent...
International Mouth Cure... for all kinds of poultry... Disinfectant, Germicide, etc... Our Curves are Special... Internally composed Absorb

FARMERS!
Fruit-growers!
Nurserymen!

Here you have it! Simplest, most practical money-saving device of the twentieth century: the "ALLIER" White-washing and Spraying Machine.

For white-washing houses, sheds, barns, out-buildings, etc., and spraying fruit trees and gardens. No trouble.

THE BASTIAN BRASS WORKS
Illinois Street
CHICAGO

No. 6

A Constant Force —

on the nozzle, a fine spray and thorough agitating of the mixture, all from driving along the orchard row, with

WALLACE'S POWER SPRAYER

It fits any wagon rear and attaches to any shape supply tank. Saves 50% of liquid and half the labor of operating. High pressure through compressed air enough to keep two 4 point nozzles going. Only hand work is directing the nozzles.

Write for free booklet #6
WALLACE MACHINERY CO., Champaign, Ill.

Steitz Potato Planter

Always works right, easy to set; light of draft; well balanced. Marks furrows, drops and covers whole or cut positions in one operation; hills 14, 18 or 18½ inches apart. Never misses; every hill planned actually yields.

SPECIAL PRICE \$40

SPECIAL OFFER! To make 1,000 new users we will reduce the price to only \$44.00 for the complete, latest model, improved model. You must, however, pay for shipping and handling. Absolute guarantee of satisfaction given with each Planter; money refunded in full any time between now and July 1, 1904, should guarantee not be fulfilled in actual work. Write at once for illustrated catalog and positive proof that the Steitz Potato Planter is the one perfect planter and is sold at absolutely the lowest price.

STEITZ IMPLEMENT CO., 276 35th Street, Milwaukee, Wis.

SPRAY PUMPS
The Pump That Pumps
YERS
PUMPS
Spray Pumps
Pumps
Store Ladders, Etc.
HAY TOOLS
of all kinds. Write for Circulars and Prices.

Myers Stayon Flexible Door Hangers with steel roller bearings, easy to push and to pull, cannot be thrown off the track—hence its name—"Stayon." Write for descriptive circular and prices. Exclusive agency given to right party who will buy in quantity.

J. E. MYERS & BRO.
Ashland, Ohio

MONEY IN GOOD CABBAGE

My elegant new book for seed growers is a storehouse of rare seed information. Tells about my famous varieties of money-making cabbages.

WRITE TO-DAY FREE Mention this paper and I will send you a package of Buckbee's New Early Marvel Cabbage the best-growing variety on earth, together with a copy of my great new book.

H. W. BUCKBEE
Dept. L-18, Rockford Seed Farms, Rockford, Illinois

Good Cheer Department.

Keep Sweet.

Don't go handling out your troubles to your busy fellow-men. If you whine around they'll try to keep from meeting you again—Don't declare the world's "agin" you, Don't let pessimism win you, Prove there's lots of good stuff in you—Keep sweet.

If your dearest hopes seem blighted and despair looms into view, Set your jaw and whisper grimly: "Though they're false, yet I'll be true." Never let your heart grow bitter; With your ear to Hope's transmitter, Hear Love's songbirds bravely twitter: "Keep sweet."

Bless your heart, this world's a good one and will always help a man. Hate, misanthropy and malice have no place in Nature's plan. Help your brother there who's sighing, Keep his flag of courage flying; Help him try—twill keep you trying—Keep sweet.

—Baltimore American.

Editor of Green's Fruit Grower: There is no one who needs good cheer these long winter evenings more than young people who are living lone lives on isolated and remote farms. To be shut away from the wide, busy world and companions of one's own age and disposition and live with those who may not, or do not understand or sympathize is pitiable. Young people who are so situated do not have opportunity for making wide acquaintance like city people and consequently have fewer friends. Friendship is what the human soul craves above all. All who are so situated deserve the most kindly consideration. Those who have no friends are apt to think that there is little in life for them, but better days must come. Hope is the one great refuge to fly to and which always gives brighter anticipation. The person ought to be bigger than his surroundings. The future is yet to be lived. This may be the preparation for it which will make it happier. This world has a place somewhere for each one, a place where each one is needed and will be happy in and nothing can stop us from eventually reaching it. Wesley N. Peck.

CHEERFULNESS MOST CONTAGIOUS

A young woman recently applying for a position as domestic in a western family, after an exhaustive examination by her prospective mistress as to qualifications, says Southern Fruit Magazine, said: "Now, ma'am, let me ask one question before I say I'll work for you. Are you a grinner or a growler?"

"What do you mean?"

"Do you try to make the best of things as they come, or do you make the worst of them?"

"Why, I try to make the best of things, I believe. I never gave much thought to the matter before."

"Then I'll work for you. I never could work for a growler, but I'd work day and night, too, for a grinner. Growlers are so plenty now 'taint easy to find an out-and-out grinner."

It is a question every housewife might well ask herself: "Am I a grinner or a growler?" It is a question upon which depends the happiness of every household, says the Housekeeper. No other department of life affords grander opportunities for the exercise of optimism than the home. Pessimism is creeping into every corner of the social fabric. It permeates business and society and educational institutions. "What's the use?" is the cry. Keep this mournful, nerve-destroying, soul-destroying wall out of the home, which should be the brightest, cheeriest spot on earth.

Every time a growler is changed to a grinner the world becomes a little brighter. "Grin and bear it" was old advice, and it's good to-day. Cheerfulness makes for long lives, good digestions, worldly success. Cheerfulness is the most contagious of all conditions. Let's catch it ourselves, and then do all we can to give it to others. Let all who are grinners continue to grin, and all who are growlers turn grinners.

THE KICKER.

The man who stands around and kicks, He is a lonely sot; For no one likes to hear his speech, Except, perchance, himself.

The weather never pleases him, Tho' it brings sun or rain; He seems to want to take the earth And make it o'er again.

When he in heaven shall arrive, With earthly sorrows done, I fear he will complain about The way the place is run.

—Washington Star.

Theory is all right, but results are more persuasive.

Fence Rail Philosophy.

It isn't always the best horse that wears the best harness.

Opinions puff up some men the same as wind does an empty bladder.

Work instead of wishes helps to fill the corn crib.

When a tree falls across your roadway get to work with an ax.

Have your saddle well girted when you ride a bucking mule.

The time to consider advice is before, and not after, a thing has happened.

The country squire and a brakeman are wonderfully alike in their duties—they both do a lot of coupling.

It's the real hobo who runs from a wood-pile like a mad bull runs toward a red shawl.

A man sometimes becomes a fool when caressed too much by dame fortune.

A dog generally wags his tail more on account of the bone than yourself.

It is generally the poor hand that complains of poor tools.

If some men did all they say they do, they would require not so many trousers, but more shoes.—Farm Life.

RHEUMATISM

CURED THROUGH THE FEET

Thousands are cured at home every month by MAGIC FOOT DRAFFTS. Why not YOU?

Try Them—FREE

The Drafts cured Mrs. W. D. Harriman, wife of Judge Harriman of Ann Arbor Mich.

They cured H. C. VauValkenburg, Providence, R. I., of an intensely painful case of muscular rheumatism.

They cured severe rheumatism of the arms, neck and back for T. C. Pendleton, Jackson, Mich.

Mrs. Caspar Yahrdsdorfer, Jackson, Michigan, 70 years old, was cured in a few weeks, after suffering 30 years.

The Drafts cured James Gilbert, Locomotive Dept., Mich. Cent. R. R., Jackson, Mich., after 27 years of pain.

Dr. VanVleck, Jackson, Mich., writes that they cured him and he is now using them in his practice.



They have cured hundred of cases probably just like yours. Isn't the chance worth taking? You try them free. Send us your name. We will send you by return mail a pair of Magic Foot Drafts—prepaid. If you are satisfied with the comfort they give you, send us One Dollar. If not, you send as nothing. You decide. Magic Foot Drafts are worn without the least inconvenience, and cure rheumatism in every part of the body by stimulating expulsion of acid poison through the great foot pores. Splendid booklet, illustrated in colors, free with the trial Drafts. Don't suffer, but write to-day to the Magic Foot Draft Co., 279 Oliver Bldg., Jackson, Mich.

Please mention Green's Fruit Grower.

CULTURE

Make Your Spare Time Count by taking our **Correspondence Course** in Horticulture under Prof. Liberty H. Bailey of Cornell University. Treats of Vegetable Gardening, Fruit Growing, Flower Culture, Care of Lawns and Grounds. We also offer a course in Modern Agriculture under Prof. Brooks of Mass. Agricultural College. Full Commercial, Normal and Academic courses. Write to-day for our students' Catalogue and particulars free. Write to-day.

The Home Correspondence School, Dept. 24, Springfield, Mass.

Save Harness Money

Leather harnesses are expensive, heavy, cumbersome, hard on team and require constant expense of cleaning and oiling.

The Economy Rope Harness

is ideal for farm and ranch work. It costs one-third and weighs one-third as much as leather harnesses. Is stronger. Lasts longer. Cheaper to repair. Will not chafe. No stitching to rip. Made of best rope and patent rope conforming trimming. Adjustable to fit any team. Neat, cool and durable. Guaranteed. Double harness, except collars, \$8.00. Liberal terms to users to represent us. Study the picture. Write us. H. S. WILLSON MANUFACTURING CO., Box 520, Fond du Lac, Wis.

Please mention Green's Fruit Grower.

FREE 1904

We will send one sample of this pin FREE to any person who cuts out this advertisement and sends it to us with their name and address in a letter. You must also inclose a postage stamp. Please pay postage on the pin. Only one pin sent to each family. This is a gold-plated pin. It can be used as a ladies' stick pin or bangle pin, as a scarf pin, or as a charm. The leaves are in green enamel and represent a four-leaf clover. This offers many advantages over the pins in our great new illustrated Jewel and Fancy Goods Catalogue. This pin is gold plated. Address Lynn & Co., 48 Bond St., New York.

A SAFE INVESTMENT
YIELDING 6 PER CENT. ANNUALLY

Paid Semi-Annually, Free from Taxes.

Principal is simply secured. If you are interested please state the amount of money you wish to invest if all is satisfactory, and I will send you full particulars. Address,

EDITOR GREEN'S FRUIT GROWER,
Rochester, N. Y.

"Wallace's Farmer" says the surest way of reaching the codling moth and canker worm is by having a large number of hungry birds in the orchard and adds: "An ounce of bird is worth a pound of poison."

What Might Be Done.

What might be done if men were wise!
What glorious deeds, my suffering brother,
Would they unite
In love and right,
And cease their scorn of one another.

All slavery, warfare, lies and wrongs,
All vice and crime might die together,
And fruit and corn
To each man born
Be free as warmth in summer weather.

The meanest wretch that ever trod,
The deepest sunk in guilt and sorrow,
Might stand erect
In self-respect,
And share the teeming world to-morrow.

What might be done? This might be done,
And more than this, my suffering brother;
More than the tongue
E'er said or sung,
If men were wise and loved each other.
—Charles Mackay.

The Farm Orchard.

Set trees in a solid block on good land. An old way was to set apple trees along the farm walls and fences, says "American Cultivator." But trees in such locations are a nuisance, tempting brachy cattle, and difficult to care for in a busineslike manner. Of course a few trees will worry along anywhere and anyhow. But for profit, buy first-class trees, set on good, clear land, and keep it well cultivated. Orchards can be grown without cultivation, using manure and mulch, but it is a long wait before they reach profitable size. The writer has a good young orchard planted in a blueberry field with little cultivation except to keep bushes mowed and apply manure or nitrate of soda. But growth is slow and uneven. It would have paid to break up the rough, stony field and cultivate it as well as conditions permitted rather than to follow the plan adopted. One of the best plans is to set trees in freshly broken sod land thoroughly worked with disk harrow. Grow corn or potatoes, sowing red clover at time of last cultivation, and plow it in the next spring. Corn or potatoes will do well a few years, but unless clover or other green stuff is plowed under every year, the soil will soon reach a point where manure will not produce profitable crops among the trees, and the growth of the trees themselves will not be what it might. The land will not be laid down to grass, but the same effect toward restoring the soil may be had by plowing under green stuff.

Note.—Newly plowed sod land as usually prepared is not well suited for planting trees.—C. A. Green.

Conditions of Fish Farming.

Crops that nature produces cost nothing for their cultivation. Animals that forage for themselves, and thus supply flesh food for the larder, are always valuable adjuncts to a man raising a family, says Agricultural Gazette. All holdings or farms are not adaptable for the raising of every kind of crop necessary for a family. Fish is one of them. Yet there are hundreds of places where fish culture could be carried on with advantage. Hitherto the stocking of our creeks and rivers with fish has conducted almost solely to the benefit of the sportsman, rather than purveying for the table. Fish, fresh fish, is a luxury, even on the seaboard. In the back districts fresh fish is something of a rarity. Even in those localities where food fish abound the process of angling for a dinner is enticing.

No Sale.—The story is being told again of a Kansas farmer who decided to sell his property and listed it with a real estate agent, who wrote a very good description of the place. When the agent read it over to the farmer for his approval the old man said: "Read that again." After the second reading the farmer sat for several minutes in a thoughtful mood then said: "I don't believe I want to sell. I have been looking for that kind of a place all my life, and it never occurred to me that I had it until you described it to me. No, I don't want to sell out."—Kansas City Star.

Quince.—The Champion quince is rather late in ripening for New England most seasons, and the Orange variety is safer. Set about 200 trees to the acre, which would be a trifle over fifteen feet each way. They bear at an earlier age than pears and average perhaps half a bushel of fruit per tree for twenty years, if trees receive proper care and located on strong, heavy soil. Trees may be set in the fall or spring.

This Will Interest Many.

F. W. Parkhurst, the Boston publisher, says that if one afflicted with rheumatism in any form, or with neuralgia, will send their address to him at 394-17 Winthrop building, Boston, Mass., he will direct them to a perfect cure. He has nothing to sell or give; only tells you how he was cured, after years of search for relief. Hundreds have tested it with success.

Billions of Apples.

The crop of apples, of salable quality, in the United States this year is reckoned at a little less than 50,000,000 barrels, says Cleveland "Leader." If apples somewhat inferior, but still useful for making cider and for other like purposes, were taken into account the total would be well beyond 50,000,000 barrels.

That means something like 30,000,000 apples. If the population of the country is now 80,000,000 there have been about 375 apples grown for every man, woman and child in the United States. That means an apple a day, every day in the year, for every one.

These are tremendous figures, and the most surprising fact about the apple crop is that all of it might be grown in a smaller space than Cuyahoga county, which means Cleveland and the environs of the city, provided that all the trees were well matured and in good condition, and that all bore an excellent crop, the same year. That shows what can be done with mere little spots on the earth's surface, in the way of producing food, if the conditions are favorable and the best methods are employed.

Apple trees have room enough when they are set out forty to the acre. It is nothing remarkable to obtain five or six barrels to the tree, when orchards are at their best. A barrel means 500 or 600 apples of average size. A little figuring will show that an acre can produce 100,000 or 120,000 apples in a year. That means 70,000,000 or 75,000,000 apples to a square mile. And there are over 41,000 square miles in Ohio and 3,000,000 square miles in the United States, not including any outlying possessions.

Those who talk of the limited capacity of the earth for providing mankind with food scarcely understand their subject.

How to Get Better Fruit.

At the present time much talk prevails among horticulturists in regard to improvement by selection, says "American Cultivator." It is not improbable that in the near future they will be offering pedigree scions for sale. While selection is all right and important, snap judgments are to be avoided.

A few years ago a neighbor of mine found on a farm on the border of a meadow a tree bearing extra fine Porter apples. The next spring he took scions from that tree and asked me to graft them upon a Porter tree standing on his own grounds. I expressed to him a doubt as to their being any better when grown on his tree than that tree was growing. But he claimed that it was a different kind of Porter; was dead sure of it, in fact, I grafted his tree, and while doing it I cut scions from the tree and grafted them into a branch in the top of the tree, and when I had finished the job I told him what I had done, and told him that if, when the grafts commenced to bear, he could tell me which grafts came from that tree, I would pay him back the money that he had paid me for doing the work. In due time the grafts fruited, and he was unable to distinguish one from another by any difference in size or quality of fruit. This case of selection did not meet expectation.

Poor Richard Jr.'s Philosophy.

We never fully appreciate the train that doesn't get off the track.

No man wants to travel a hundred miles an hour when he is going to explain.

Sometimes the poet is right and friendship is but a name—at the bottom of a note.

Optimism is the state of mind which believes matrimony will be cheaper than the engagement.

President Roosevelt is suffering the pangs and penalties of an approaching campaign. Everything he does will be twisted, but he seems to have the manly habit of keeping straight.—Saturday Evening Post.

Earth Worms.—Darwin, the great naturalist, who made a careful study of the earthworm in its relation to the soil, estimated that the average earthworm passes through its body about twenty ounces of soil per year, and that there are on an average 25,000 worms per acre, or one for each two square feet, making a little more than fifteen tons of soil and humus brought up from underneath and deposited on the surface of every acre of land annually. This is heavier manuring than is done by the average Iowa farmers. He also states that they cover the surface of the earth at the rate of three inches in fifteen years.

He—it certainly was a pretty wedding, and everything was so nicely arranged.

She—that's just what I think; and the music was especially appropriate.

He—I don't remember. What did they play?

She—"The Last Hope."—Christmas Lippincott's.

CASH FOR YOUR FARM NO MATTER WHERE IT IS

Do you want to sell your farm?
Do you want to sell it quickly and with the least possible expense?
Do you want to sell it at a reasonable price instead of sacrificing a good portion of its value?
Do you want to sell it at a price that will bring you the maximum amount?
If these are your wants, I can fill them.
For eight years I have been filling these wants for people in every section of the country.
The result is the largest real estate brokerage business in the world.
Isn't that proof that I have been fulfilling my claims and isn't it sufficient evidence that I can sell your property?
Eight years' experience, offices in principal cities from Boston to San Francisco, hundreds of special representatives and an expenditure of over \$100,000 a year in advertising, give me better facilities for selling your property than any other broker in the world.

It doesn't matter whether your property is worth \$500 or \$100,000 or in what state or territory it is located. If you will send me a description including your lowest cash price, I will tell you just how and why I can quickly sell your property for cash and at the least possible expense to you. It will cost you nothing to get this information and I am sure you will be glad you asked for it.

If you want to buy any kind of a property in any part of the country, tell me your requirements. I will guarantee to fill them promptly and save you some money at the same time.

W. M. OSTRANDER, 239 NORTH AMERICAN BUILDING, PHILADELPHIA.

Healthy Apple Trees.

It makes a difference where you buy trees if you plan to have a choice apple orchard.

Messrs. J. G. Harrison & Sons,
Gentlemen.—The box of trees shipped in October came to hand in good condition. You have filled a number of orders for me in the past and thus far there has never been a single error. Expect to give you another order in the spring.
Yours truly, N. G. Hess.

Buy where you have absolute assurance that your order will come right. They are right in variety, thrif, packing and price when you buy of us.

HARRISON'S NURSERIES.

There's an exceptionally fine stock ready for delivery. We always make a specialty of such prime favorites as York Imperial, Ben Davis, Baldwin, Remond, etc. Of upwards of a half million apple trees, we have over a hundred varieties, winter, summer and fall. Our climate and methods of propagating make our trees the favorite of the country. We pack so we can guarantee safe arrival everywhere. Our free catalog is the great apple tree buyer's guide. Write for it to-day.

HARRISON'S NURSERIES, BOX 11, BERLIN, MD.

Please mention Green's Fruit Grower.

SPECIAL 60-DAY OFFER To Introduce Our Latest Large, Powerful Achromatic Telescope, The Excelsior

FACE TO FACE WITH THE MAN IN THE MOON!

3 1/2 FT LONG ONLY 99 CTS

NEEDED ON FARM, SEA OR RANCH.
POSITIVELY such a good Telescope was never sold for this price before. These Telescopes are made by one of the largest manufacturers of Europe, measure close 12 inches over 2 1/2 feet in 5 sections. They are BRAES BOUND, BEARS SAFETY CAP on each end to avoid damage during shipping. They are ground glass and silvered. GUARANTEED BY THE MAKER. Therefore, Tablets of this size have been sold for from \$5.00 to \$6.00. Every customer in the country or abroad who should purchase one of these instruments; and no farmer should be without one. Objects miles away are brought to view with astonishing clearness. Sent by mail or express, safely packed, prepaid, for only 99¢. Our new catalogues of Telescopes, etc., sent with each order. This is a grand offer and you should not miss it. We WARRANT each Telescope JUST AS REPRESENTED or money refunded. WANTS ANOTHER? Remond, Va. Please send another Telescope, money enclosed. Other was a bargain, cost of instruments costing many times the money.—R. C. Atkin, Head 99¢, by Registered Mail, Post Office Money Order, Express Money Order, Bank Draft payable to our order, or have your checkbook or cashier's order for you.

KIRTLAND BROS. & CO., Dept. E, 90 Chambers St., NEW YORK.

PEACH Grand lot of trees, grown on the bank of Lake Erie, more stocky and hardy than trees grown in the interior, two miles from any peach orchard, free from borers and all other diseases. Large stocks of fruit trees and small fruits of all kinds. Headquarters for Ornamental Trees, Shrubs, Plants, Vines, Bulbs, Seeds.

40 Acres Hardwood, including 5,000 of the famous Crimson Rambler. The green house of Harrison Bros., Inc., and General offices are now located here. Safe arrival and satisfaction guaranteed. Large by express or freight. Direct deal in solicited. 50 years. 1000 acres.

THE STORRS & HARRISON CO., Box 52, Painesville, OHIO.

A LIBRARY OF INFORMATION ON FRUIT GROWING and POULTRY RAISING**AMERICAN FRUIT GROWING**

is the newest of C. A. Green's books devoted to Pear Culture, Peach Culture, Manures and Fertilizers, Quince Culture, Currant Culture, Small Fruit Culture, Western New York Fruit Growing, and Cherry Culture. Price by mail, post-paid, 25c.

GREEN'S SIX BOOKS

on Fruit Culture is devoted first to "How C. A. Green Made the Old Farm Pay;" second to Pear Culture; third, Propagation of Fruit Plants, Vines and Trees; fourth, General Fruit Instructor. Price by mail, post-paid, 25c.

GREEN'S FOUR BOOKS

on Fruit Culture, devoted first to "How C. A. Green Made the Old Farm Pay;" second to Pear Culture; third, Propagation of Fruit Plants, Vines and Trees; fourth, General Fruit Instructor. Price by mail, post-paid, 25c.

AMERICAN POULTRY KEEPING

is a new book, a practical treatise on the management of poultry. Special attention is given to Hatching, Diseases, Feeding and Care of Poultry, also to various breeds, and plans for buildings. How to Market Poultry and Eggs for Profit. By Mail, post-paid, 25c.

THE ABOVE BOOKS GIVEN AWAY AS PREMIUMS.

We will mail you your choice of above books free, providing you send us 50 cents for one subscriber for Green's Fruit Grower, one year, and claim this offer.

ANOTHER OFFER.

We will mail you, post-paid, all of the above books, Green's Four Volumes, in strong paper covers, covering every feature of Fruit Growing and Poultry Raising, for sending us \$1.25 for one subscription for Green's Fruit Grower two years. We pay postage. Address

GREEN'S FRUIT GROWER,
Rochester, N. Y.

AN EGG TESTER FREE and POSTPAID



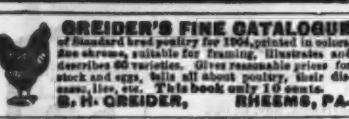
together with an incubator and brooder catalogue, containing among much other valuable and interesting information a colored plate, showing by eighteen views the development of the chick in the shell, FREE, by mentioning Green's Fruit Grower and sending to

GEO. H. STAHL, QUINCY, ILL.



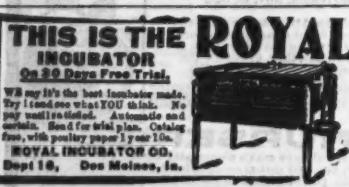
IT'S FUN
to get high per cent hatches.

GEM INCUBATORS
Wake every germ and hatch
profit-making chicks that
live. Learn about em
in free catalog. Write now.
The Gem Incubator Co.,
Box 40, Dayton, O.



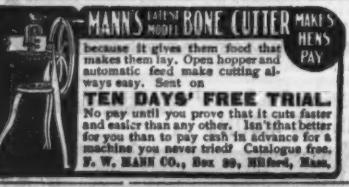
GREIDER'S FINE CATALOGUE
of Standard breed poultry for 1904, printed in colors,
and containing suitable for framing. Illustrates and
describes all breeds of fowls, turkeys, geese, pheasants,
ducks, etc., for stock and eggs. Send all about poultry, their
diseases, likes, etc. This book only 10 cents.

B. H. GREIDER, RHEEMS, PA.



THIS IS THE ROYAL
INCUBATOR
20-30 Days Free Trial.

We say it's the best incubator made.
Try it and see what you think. It is
so well constructed. Automatic and
convenient. Send for trial plan. Catalog
free, with poultry paper 1 year free.
ROYAL INCUBATOR CO., Dept 18, Des Moines, Ia.



MANN'S LATEST MODEL BONE CUTTER MAKES HENS PAY
because it gives them food that makes them lay. Open hopper and automatic feed make cutting always easy. Sent on

TEN DAYS' FREE TRIAL
No pay until you prove that it cuts faster and easier than any other. Isn't that better for you than to pay cash in advance for a machine that won't work? Catalog free, F. W. MANN CO., Box 59, Milford, Mass.



TO BE GIVEN AWAY.
For Next 30 Days Only,
we will mail our fine valuable Poultry
Book FREE. Tells you all about poultry
how to make big money with poultry and
eggs; contains colored plate of fowls in
their natural colors. Send 10c for mailing and postage.
JOHN BAUSCHER, JR., Box 44, FREEPORT, ILL.



THIS ONE SAVES YOU

Write today for Free Catalog and Poultry
Book describing NEW IDEA INCUBATOR.
Most durable built, best regulator, heater, lamp
tanks, etc. Complete at only two-thirds cost
of others. Address J. C. CHAMBERS, SNOW & CO., Box 2, Quincy, Ill.



MAKE HENS LAY when Eggs are high.
You can do it.
We tell you how in our new Illustrated Poultry
Book and Egg Record. 52 pages, 5 cents.

G. S. VIBERT, Clintonville, Conn.



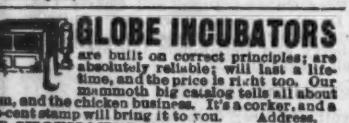
POULTRY PAPER, Illust'd., 10 pages
50 cents per month. 4 months
trial 10 cents. Sample free. Bi-monthly practical
book. Send to your nearest bookseller. Address
Bookstore, Poultry Advocate, Syracuse, N.Y.



\$12.80 For 200 Egg INCUBATOR

Perfect in construction and
action. Hatches every fertile
egg. Write for catalog free.
GEO. H. STAHL, Quincy, Ill.

\$30 WEEKLY Straight Salary and all expenses
paid. We mean business and
furnish the best of references. Dept. H, ROYAL OIL CO., MFD.
Co., Indianapolis, Ind.



GLOBE INCUBATORS
are built on correct principles; are
absolutely reliable; will last a lifetime,
and the price is right too. Our
mammoth big catalog tells all about
them, and the chicken business. It's a corker, and a
free-cards stamp will bring it to you. Address,
C.C. SHOEMAKER, Box 325, Freeport, Ill.

BUFF ROCK COCK FOR SALE

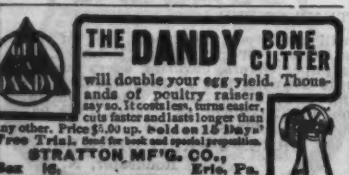
We have just one bird left. It is pure blooded, attractive,
and desirable in every way. One year old. Price
\$3.00. Be quick if you want him. Green's Nursery
Company, Rochester, N.Y.



SQUABS are raised in 1 month;
bring big prices.
Money makers for
our FREE BOOK and learn this immensely
rich industry. Plymouth Rock Squab Co.,
14 Friend Street, Boston, Mass.

\$60 PER MONTH straight salary
for men with rigs to introduce our Poultry
Business among the farmers. We mean this and furnish Bank
references of our reliability. Don't answer unless you mean business.

Address, Eureka Mfg. Co., Dept. 41, E. St. Louis, Ill.



THE DANDY BONE CUTTER
will double your egg yield. Thousands
of poultry raisers and
farmers, men and women, send
us their reports. It is a
real money maker. Send
us your name and address
and we will send you
our FREE BOOK and
a copy of our catalog
any other. Price \$1.00 up, paid on 15 days
Free Trial. Send for book and special premium.
STRATTON, MFG. CO., Erie, Pa.

Our POULTRY DEPARTMENT

Three Poultry Notes.

By the Editor.

We are told of a farmer who, for many years sold his black Langshan roosters for hen turkeys, first dressing them and cutting off their heads. The imposition was not discovered until he made known the fact when he went out of business. He seemed to be proud of the trick but we think he ought to be ashamed of it.

Feeding Poultry. — Bread, scraps of meat, paring of fruit and vegetables and other wastes of the kitchen make good feed for poultry providing it is fed to the birds before it becomes sour and tainted. The tendency is to store this waste in pails or tubs until it is no longer fit for the food of any animal. Feed this kitchen waste to the poultry each day and see that it is not frozen.

Lice on Poultry. — You cannot succeed with your poultry if they are infested with lice. If your building is infested you may be sure that your birds are. It is not difficult to rid the building of lice. It is more difficult to rid the birds of the pests. The building can be whitewashed with a mixture containing carbolic acid, or can be sprayed with kerosene. Keeping the building thoroughly clean there is less danger of lice. To remove the lice from the birds buy pyrethrum costing ten cents a pound. With a small hand bellows blow this powder into the feathers, under the wings, etc., to the skin of the birds, repeating the process to the end of a week. Eggs will not be produced if the hens are covered with lice. Look out for old nests where hens have set since these are liable to be infested.

Is it not strange how many farmers will purchase and carefully house and feed improved horses, cattle, sheep and pigs, but scrub poultry is still good enough for them. Fowls all colors, all sizes and kinds are allowed to exist somehow somewhere, roosting in sheds, on wagon implements in the stable, anywhere, says American Poultry Advocate. I know there has been big improvement on some farms in some parts of the country, but on a great many too, farm things are done in the same old shoddy way.

Here is what Mr. Donovan, editor of Poultry Review, found recently when on a visit to one of the largest purchasing companies recently, located in Toronto. He says "A good object lesson was seen just inside the entrance gate, where were gathered together the lame, the halt and the blind, the riffraff of the thousands of chickens purchased by this concern for sale in its own stores and in addition to the quantities raised on the farm. Among the lot mentioned were mongrels and crosses of all kinds. Wry tails, hunch backs, etc., were in evidence enough to show that there is plenty of missionary work yet to be done even in the heart of Ontario. We did not believe there was such stuff in the country and how farmers and others could ship such birds and expect to get a price sufficient to recompense them for the cost of raising, is beyond our comprehension. The fact is, such birds do not pay anyone, either seller or buyer. The buyer pays the lowest price going for them and then has a hard time to dispose of them at even a small profit. In the winter corn is dumped down to the fowls at times, when some one wonders when the hens were fed last. When thirsty they can eat snow. If they have a house at all it is cold and full of holes that let in the wind and snow. It is generally filthy, lousy and full of disease germs. This is just the season that fowls well fed and housed will pay the best profit. If they are shut up for days when it is stormy they are without water or grit or green feed. Talk about your balanced rations—farm hens are glad to get grain once a day. Generally they have to scratch for grain in the barn-yard litter or straw stack.

Poultry Food. — The last essential to good laying is the soft food, or cooked mixture of oats and vegetables, or vegetable scraps. The latter should be boiled with the oats, and then after it is removed from the stove, wheat bran should be stirred in as an absorbent, until the mixture is crumbly dry, not soft and sloppy. This should be fed to the hens late in the evening. This represents

the "soft-mash," "balanced ration," etc., that we read about so much in the eastern poultry journals.

Two hundred thousand turkeys went into New York city on one train during the holidays. This train load of turkeys was given the right of way over the railroad. Passenger trains as well as other freight trains were switched to one side to allow this train to hurry on to the point of destination. Turkeys this year were scarce in the eastern states hence a great demand for those grown at the west.

Cheap eggs have gone out of fashion, says Tennessee Farmer. Be it summer, fall, winter or spring, the price rules high, while just at this time it is something great. Consumers are paying thirty cents a dozen in Nashville to-day, with a prospect of paying thirty-five cents by Christmas. This means at least twenty-four cents to the producer, and at two cents each there is a handsome profit in eggs, no matter what provision is necessary to produce them.

When the large packing concerns of Chicago insert paid advertisements in Western farm journals advising poultry raisers to use pure-bred stock because it is better for their use than mongrels, is it not about time to look into the matter? Surely it is not a matter of sentiment with them, this pure-bred proposition, but a matter of increased profits to be derived from the sale of uniform, plump carcasses.

Charcoal. — Fresh charcoal is readily eaten by all kinds of fowls and is excellent for them in the winter when they are closely confined. It serves as a corrective, especially when they have been fed on the same kind of food. It also promotes digestion. Charcoal is a good grit, as no matter how fine it may be it is sharp and cutting, and assists in reducing the food to a fine condition. It is largely used in the brooder houses for little chicks, as they relish it highly.—Baltimore "Sun."

Keep a Few Hens. — There is hardly a family, rich or poor, living in the country, village or suburb of a city, that may not with advantage keep a small flock of poultry. With ordinary care it cannot help but prove remunerative and be a means of consuming quantities of kitchen and table scraps, which with many families amount to a good deal and are often thrown away. Unlike the work required in caring for a large number of fowls, very little time is needed to manage and feed the small flock, and there is nothing that will afford greater pleasure to the whole family than ten or twelve hens all of one breed, but this is of secondary importance as compared with what they bring in for the table, in the way of eggs and meat. No one knows how to appreciate good fresh eggs and well fattened chickens until they have them of their own production. A good many have an idea that because their space is limited, so the fowls are unable to roam over broad fields as on the farm, there is no use in trying to keep them. This is a mistake, for, while the farm is an ideal place to raise and keep poultry, some of the largest egg records have been made by yarded hens, and some of the birds in very close confinement at that. The great variety of food generally left over by the family is a most excellent egg producer.

—Tribune.

More eggs are eaten in the United States every year than in any other country in the world. Iowa is the banner state in the matter of production furnishing 99,000,000 dozens, worth over \$10,000,000 in 1900. Ohio came second as to amount, with 91,000,000 dozens and although this quantity was smaller than the egg product of Iowa, it was worth more, having a total value of \$10,299,000. Colorado does not produce a sufficient amount to supply the home demand. The majority of fowls of this country are found in small numbers on large farms where they gather subsistence and receive little care.

No vegetable will completely fill the place of cabbage as winter food for hens. The crisp, tender leaves closely resemble fresh grass in composition and mechanical condition. Fowls relish it and will eat a surprising amount if it is kept before them. Alfalfa cut into short lengths is largely used by poultrymen and is an excellent food, very nutritious, cheap and easily prepared. It is rich in muscle-forming materials if steamed soft and mixed in mash in the proportion of one part to five or six of ground grain a very gratifying food is produced.

"If the dog's prayer were heard, there would be a shower of bones from heaven."

Poultry Continued on Page 35.

INQUIRY ANSWERED.

"You Can." — M. S. C. Richie, Ore., writes to inquire if anyone with average common sense could learn how to use an incubator and raise chickens at a good profit? I'm tired of setting twelve or fourteen eggs under a hen, having her smash and eat them, then hatch one or two chicks. There's no money in her."

Scores and hundreds of our readers will answer for us — "get an incubator, by all means," and a large proportion of them will add "get a Reliable."

Twenty years of steady improvement and unqualified success has marked the history of the Reliable Incubators and Brooders. These machines have been subjected to the most rigid tests and hottest competition not only in America, but in every civilized foreign country. In these local, national and international trials the Reliable has out-hatched its competitors in hundreds of instances and rightly bears this hard-earned title "The World's Favorite."



Disinterested judges have witnessed the high per cent hatches produced; the ease and simplicity with which the Reliable machines can be run. Unbiased mechanical critics have carefully examined and tested the Reliable Safety Lamp, the ventilation system, the sensitive, self-acting regulator, the heavy copper water tank and sheet steel hot air circulators. Trained cabinet makers have passed on the insulation and solid construction of the case. How well they have agreed is convincingly summed up in the long list of awards made ready in the Reliable catalog. This flattering decision is published in the Reliable catalog for 1904. It is the twentieth annual issue. It is handsomely illustrated with half-tones, and is an invaluable hand book on successful poultry raising, besides being a complete catalogue of Reliable Incubators, brooders and poultry supplies. It also contains a description of the famous Reliable Poultry Farm where pure bred, high grade fowls are raised.

The Reliable Incubator & Brooder Company, Box 600, Quincy, Ill., will send this exceptionally complete catalogue to any one who will send five two-cent stamps to pay postage.

Please mention Green's Fruit Grower.

100 PER CENT HATCHES

Our new catalogue contains hundreds of them obtained by BUCKEYE INCUBATOR users in all parts of the U.S. Send for a copy and read the proof. It is free.

Buckeye Incubator Co., Box 52, Springfield, O.



WHY SO SURE?

FINE
POULTRY

It's made on the right plan, it works right. It brings best results to the beginner as well as the experienced poultry raiser.

THE Successful

is the nearest of all the out and out automatic machines, both Incubator and Brooder. They can be depended upon under all conditions to hatch the most and brood them the best. All eastern orders have prompt shipment from Buffalo. 100 pens of standard fowls. Incubator Catalog free, with Poultry Catalog 10c. Des Moines Incubator Co., Dept. 18, Des Moines, Ia.

Make Your Own Fertilizer

at Small Cost with Wilson's Phosphate Mills

From 1 to 40 H.P. Also Bone Cutters, hand and power, for the poultryman; Farm Feed Mills, Granular Flour Hand Mills, Grit and Shell Mills. Send for catalogue. WILSON BROS., Sole Mfrs., Easton, Pa.



THE WEIR INCUBATORS AND BROODERS

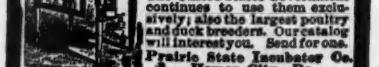
are up-to-date, well-built and low-priced. We sell poultry supplies too. Send for our incubator Book.

THE E. WEIR COMPANY, Ligonier, Ind.

LITTLE CHICKS DON'T DIE

when fed and tended right. Feed Mrs. Pinkerton's Chick Food and make good profits. Write now for free catalogue on chick raising and learn too about our prize winning, pure bred birds.

ANNA L. PINKERTON CO., Box 24, Hastings, Neb.



382 FIRST PRIZES AWARDED PRAIRIE STATE INCUBATORS AND BROODERS

The United States Government continues to use them exclusively; also the largest poultry and duck breeders. Our catalog is interesting. Send for one. Prairie State Incubator Co., Homer City, Pa.



TRY AN IDEAL

J. W. Miller's incubator—made by the man who knows. It is really self-regulating.

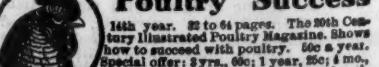
30 DAYS FREE TRIAL

We get no money until you are perfectly satisfied. Poultry Book Free. J. W. MILLER CO., Box 40, Freeport, Ill. (Poultry supplies and thoroughbred fowls.)



EARN A SETTING OF EGGS

as a premium by getting ten yearly subscribers to THE POULTRY ITEM at 25 cts. each. Sixty varieties. Send for outfit at once. THE POULTRY ITEM, FRICKS, PENN.



A THOUSAND DOLLAR EGG

a touching story of devotion telling how Mandy paid the mortgage and saved the farm. Tells how to make money from poultry. Also Egg Record and Calendar for 1904. Mailed free. Geo. H. Lee Co., Omaha, Neb.



Poultry Success

14th year. \$2 to \$4 pages. The 20th Century Illustrated Poultry Magazine. Shows how to succeed in poultry. Also Egg Record and Calendar for 1904. Mailed free. Geo. H. Lee Co., Omaha, Neb.

POLYGRAPHY SUCCESS CO., DEPT. 20, SPRINGFIELD, OHIO

POLYGRAPHY SUCCESS CO., DEPT. 20, SPRINGFIELD, OHIO

Winter pruning of deciduous trees is undesirable. A tree should be growing when it is pruned, as the wound will then readily heal. There is no circulation of sap in the winter and the limb dries or rather the bark and makes it hard for the new bark to grow over the amputated limb. So says an exchange. If I had but one tree I would prune as above, but if I had 1,000 trees I would prune any time the leaves were off.—C. A. Green.

Will You Write a Postal So a Sick One May Get Well?

Send no money—simply a postal card, giving the name of someone who needs help. Tell me the book to send. Then I will do this—I will arrange with a druggist near him so that he may take six bottles of Dr. Shoop's Restorative. He sends it a month at my risk. If it succeeds, the cost is \$5.50. If it fails, the druggist will bill the cost to me.

That month's test will show you what the remedy can do. It is the easiest way to convince you. It is the only way to induce all who need help to accept it.

I make the offer to multiply my cures, and I am willing to trust the cured ones to be fair with me.

In the past 12 years I have furnished my Restorative to hundreds of thousands of sick ones on just those terms, and 39 out of 40 have paid gladly, because they got well. I pay just as willingly when one says I have failed.

The remedy is my discovery, the result of a lifetime's work. I have perfected it by watching results in thousands of the most difficult cases that physicians ever meet. I know what it will do.

My success comes from strengthening weak inside nerves, and my Restorative is the only remedy that does that. When an organ is weak I bring back the nerve power which alone operates every vital organ. It is like giving an engine more steam. I give the weak organ power to do its duty, and there is no other way to make a weak organ well.

Can you conceive of a sick one who will neglect such a treatment, when I take the entire risk?

Simply state which book you want and address: Dr. Shoop, Box 410, Racine, Wis.

Mild cases, not chronic, are often cured with one or two bottles. At druggists.

Our Small Fruit Department

SMALL FRUITS FOR HOME AND MARKET.

Written for Green's Fruit Grower by W. A. Withrow, Ind.

A few years ago we first began growing berries for home use. Before that time we had considered it cheaper to buy what fruit was needed in the household. Sometimes it was, we could occasionally get a bargain in a lot of stale berries which had to be sold. Or if we traveled a mile to a neighbor's house we could buy the fruit as it came from the field. But the pleasure lies not entirely in the eating and not until we had ourselves grown small fruits did the family realize the enjoyment afforded in one's own berry patch.

Our first venture was in strawberry growing, a plot of about one-eighth acre being set in Warfield, Marshall, William Bell and Brandywine. The plants were set in rows and most of the cultivation was by horse power, with an occasional hoeing and training the runners. How solicitously we watched the plants as they rooted, feeding them generously and speculating freely upon the great size to which the berries should attain! And the next season, as the fruit developed on the stems, turning from green to white to pink and to crimson under the caresses of the June sun, we watched them delightedly. What a joy to go out in the cool, early morning, to lift up the dewy leaves which sheltered the shining clusters,—how quickly the luscious fruit filled the bright tin pan! Do you wonder that we were often tempted by a particularly fine specimen to sacrifice it on the spot? And would not you, too, have resolved to always grow your own fruit?

From the one-eighth acre of that season, besides what we used on the table and canned, we sold about \$34 worth of berries, and could easily have disposed of a greater quantity. Every year since we have increased our planting until we now have about two acres in strawberries, planning to set at least an acre of new fields each year, and more berries could be sold in our home market could we secure the help to harvest a larger crop. About one-half the planting is of the Warfield variety, with Johnson's Early and Senator Dunlap alternating. Early in the season these are sold for table use, until they begin to grade somewhat smaller when they go for canning, to be replaced by the later Brandywines, Glen Mary, Corsican and Sandy.

We have about one-half acre each in red and black raspberries and a somewhat larger field of blackberries, and although they do not net so much for the acreage as do strawberries the expense of growing the fruit is not so great. We would consider an income of two hundred dollars per acre a fair average for a series of years. Of varieties we grow Miller Red and Cuthbert red raspberries, Cumberland and Kansas black caps and the Snyder blackberry.

Of currants we have several hundred plants of Cherry, Fay and Red Dutch. It is not an uncommon occurrence to pick six to seven quarts of fruit from a single bush, selling at 6 to 8 cents per quart. The plants are fertilized with done dust and a mulch of straw is spread around the bushes. For garden culture especially is this method to be commended for all of the bush fruits.

The Concord is the only variety of grape generally grown in this locality, although Worden, Niagara and Diamond are successfully produced. For grapes of good table quality we can always get 25 to 40 cents per ten pound basket, and as the vines begin fruiting the third years from planting we are inclined to set more extensively.

Usually it is much easier and more profitable to develop your home market rather than depend on distant shipments. Grow the best fruit, put it up in an approved style, and if there is not a demand, you will make a market. Five acres of suitable ground, well planted and tended will furnish one worker employment and may be expected to return an income of \$800 to \$1,000 a year.

The department of horticulture of the University of Missouri is unable to supply the demand for trained orchardists, says National Fruit Grower. Within the two weeks from October first the department has received requests for three men to superintend commercial orchards and for two men trained for experimental work. This is but a fair sample of the opportunities open to graduates of agricultural colleges. Why boys will enter other crowded professions with these opportunities before them is unexplainable.

ARE YOUR KIDNEYS WEAK?

Thousands of Men and Women Have Kidney Trouble and Never Suspect It.

To Prove What This Great Kidney Remedy, Swamp-Root, will do for YOU, Every Reader of Green's Fruit Grower May Have a Sample Bottle Sent Absolutely Free by Mail.

It used to be considered that only urinary and bladder troubles were to be traced to the kidneys, but now modern science proves that nearly all diseases have their beginning in the disorder of these most important organs.

The kidneys filter and purify the blood—that is their work.

Therefore, when your kidneys are weak or out of order, you can understand how quickly your entire body is affected, and how every organ seems to fail to do its duty.

If you are sick or "feel badly," begin taking the great kidney remedy, Dr. Kilmer's Swamp-Root, because as soon as your kidneys are getting better they will help all the other organs to health. A trial will convince anyone.

Didn't Know I Had Kidney Trouble.

I had tried so many remedies without their having benefited me that I was about discouraged; but in a few days after taking your wonderful Swamp-Root I began to feel better.

I was out of health and run down generally; had no appetite, was dizzy and suffered with headache most of the time. I did not know that my kidneys were the cause of my trouble, but somehow felt they might be, and I began taking Swamp-Root, as above stated. There is such a pleasant taste to Swamp-Root, and it goes right to the spot and drives disease out of the system. It has cured me, and I cheerfully recommend it to all sufferers.

Grateful yours,

Mrs. A. D. WALKER,
46 West Linden St., Atlanta, Ga.

Weak and unhealthy kidneys are responsible for many kinds of diseases, and if permitted to continue much suffering and fatal results are sure to follow. Kidney trouble irritates the nerves, makes you dizzy, restless, sleepless and irritable. Makes you pass water often during the day and obliges you to get up many times during the night. Unhealthy kidneys cause rheumatism, gravel, catarrh of the bladder, pain or dull ache in the back, joints and muscles; make your head ache and back ache, cause indigestion, stomach and liver trouble, you get a sallow, yellow complexion, make you feel as though you had heart trouble; you may have plenty of ambition, but no strength; get weak and waste away.

The cure for these troubles is Dr. Kilmer's Swamp-Root, the world-famous kidney remedy. In taking Swamp-Root you afford natural help to Nature, for Swamp-Root is the most perfect healer and gentle aid to the kidneys that has ever been discovered.

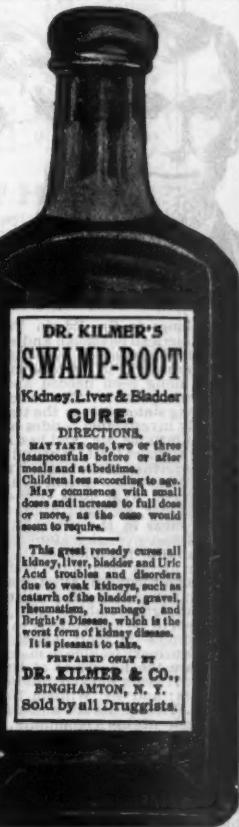
How to Find Out

If there is any doubt in your mind as to your condition, take from your urine on rising about four ounces, place it in a glass or bottle and let it stand twenty-four hours. If on examination it is milky or cloudy, if there is a brick-dust settling, or if small particles float about in it, your kidneys are in need of immediate attention.

SPECIAL NOTICE.—So successful is Swamp-Root in promptly curing even the most distressing cases, that to prove its wonderful merits you may have a sample bottle and a book of valuable information, both sent absolutely free by mail. The book contains many of the thousands upon thousands of testimonial letters received from men and women cured. The value and success of Swamp-Root is so well known that our readers are advised to send for a sample bottle.

In writing to Dr. Kilmer & Co., Binghamton, N. Y., be sure to say that you read this generous offer in GREEN'S FRUIT GROWER. The proprietors of this paper guarantee the genuineness of this offer.

Swamp-Root is pleasant to take and is used in the leading hospitals, recommended by physicians in their private practice, and is taken by doctors themselves who have kidney ailments, because they recognize in it the greatest and most successful remedy for kidney, liver and bladder troubles.



(Swamp-Root is pleasant to take.)

Swamp-Root is pleasant to take and is used in the leading hospitals, recommended by physicians in their private practice, and is taken by doctors themselves who have kidney ailments, because they recognize in it the greatest and most successful remedy for kidney, liver and bladder troubles.

Truth Telling Thermometers

No guesswork wanted when a big hatching of eggs depends on steady, even temperature. The poultryman's sure guide is the standard, Sure Hatch thermometer—tested and reliable. Not merely the thermometer, but every separate part of the

Sure Hatch Incubator

is equally dependable; the sturdy legs; the tight, rigid case; the never-forgetting regulator; the constant, Eureka lamp; the heavy copper water tank—every part of the apparatus working together making money for poultry raisers. Free catalog B-4 tells how.

Sure Hatch Incubator Company, Clay Center, Neb., or Indianapolis, Ind.

ROUND AND SQUARE

A much pleased customer wrote us: "I had always preferred things 'on the square' but now make an exception as to incubators;" he found the claims we made for the

Iowa Round Incubator

were "on the square". Hundreds of his valuable eggs were ruined in square machines. "But," he says "no machine could do more; Nature could do no more; I am satisfied that there is one honest incubator—the Iowa." Write for catalog.

Iowa Incubator Co., Box 144, Des Moines, Ia.



Cornell Incubator Advancement.



The Cornell patented system of temperature regulation, and perfected system of ventilation, Dr. Cornell invented in Nature's way. Gave the proper moisture lines at the right time—in any locality—under all conditions—at any season of the year. Result: Healthy chicks over obtained by artificial incubation. Compound door, Cabinet construction, Table top. Gold Medal: Highest award at Buffalo Pan American Exposition.

PENNSYLVANIA BROODERS are the brooders that are used exclusively by leading dealers in successful poultrymen. On the market ten years. Thousands of testimonials. Our very large, finely illustrated catalog contains valuable information. Mailed free. All Poultry and Pet Stock Supplies.

Cornell Incubator Mfg. Co.
Ithaca, N. Y.
Independence, No. 28, Sept. 28, 1905.

Cornell Incubator Mfg. Co.,
Ithaca, New York.

Gentlemen: I must confess that the incubator I bought of you five years ago is still in use and continually, ventilation seems to be perfect, and it is so easy to operate. Very truly yours, WM. THOMPSON, H. F. D., No. 1.

SAVE THE CHICKS
The HUMPHREY Pure Air BROODER raises every healthy chick. Absolutely sanitary. Get our free poultry book.

HUMPHREY, Flag St. Factory, Joliet, Ills.

Save Two Thirds
of the oil and get 30 per cent more chicks
By VON CULIN INCUBATORS
absolutely the highest grade machine on market and sold lower than any other in its class. Will pay for itself in less than a year. Money back if not all claim. Our "Hatched Down" Catalog proves all claims. Sent free. Wayland Incub. & Mfg. Co., Box 66, Wayland, N. Y.

**CYPHERS' MODEL
INCUBATORS**

"Model" is the name that should be on the incubator and brooder you buy this season. Why? They're made by Cyphers—the man who has built the most successful, world-famous hatchery. The free catalog will interest you. Write for it now and learn how to make money.

CHAS. A. CYPHERS, 38-47 HENRY ST., BUFFALO, NEW YORK

**VICTOR
Incubators**
are truthfully pictured and their actual working told in about 30 of the 80 pages of our new catalog. The rest of the book gives information about the chicken business. We begin the story in the egg and end it in the best of the fowls. There's knowledge which will benefit any poultryman, money to you. Our incubators are driving out of business. There's no regardless of weather or of seasons. You can count hatching every fertile egg. Money back if not all claim. We pay freight. The book is free. Just say "Send Victor Book" and we'll do it. GEO. ETEL CO., Quincy, Ill.

SHOEMAKER'S BOOK ON POULTRY
for 1904, contains 516 pages with 200 colored plates true to life. It tells all about chickens, their care, diseases, and remedies; incubators and how to operate them; poultry houses and how to build them. It is an encyclopedia of chickendom that no one can afford to be without. Price only 15 cents. G. C. SHOEMAKER, Box 67, Freeport, Ill.

ONE HORSE
Cutaway-Extension Reversible Harrow
A Bonanza for FRUIT GROWERS AND ORCHARDISTS
Also Two-Horse Sizes. For Circulars, write
E. G. MENDENHALL, BOX 303, KINMUNDY, ILLS.

For Kidneys, Bladder and Rheumatism

Remarkable Cures of Mrs. Kelly of Loda and Mr. Hollister of Halsey Valley—New Discovery by Which All Can Now Easily Cure Themselves at Home.

TRIAL TREATMENT AND 64-PAGE BOOK SENT FREE TO ANY NEEDY PERSON.



Mr. Hollister cured in his 67th year. Mrs. Kelly cured in her 71st year, by this discovery.

Credit belongs to Dr. Edwin Turnock, a noted French-American physician and scientist, who has made a life-long study of these diseases and is now in sole possession of certain ingredients which have all along been needed and without which cures were impossible. The doctor seems justified in his strong statements as the treatment has been thoroughly investigated besides being tried in hospitals, sanatoriums, etc., and has been found to be all that is claimed for it. It contains nothing harmful, but nevertheless the highest authorities say it will positively cure Bright's disease, diabetes, dropsy, gravel, weak back, stone in the bladder, bloated bladder, frequent desire to urinate, albumenaria, sugar in the urine, pains in the back, legs, sides and over the kidneys, swelling of the feet and ankles, retention of the urine, scalding, getting up nights, pain in the bladder, wetting the bed and such rheumatic affections as chronic, muscular or inflammatory rheumatism, sciatica, rheumatic neuralgia, lumbago, gout, etc., which are now known to be due entirely to uric acid poison in the kidneys—in short, every form of kidney, bladder or urinary trouble in man, woman or child.

Above are the likenesses of Mrs. W. J. Kelly of Loda, Ill., 71 years old and residing in the county for 59 years; and Mr. William Hollister of Halsey Valley, N. Y., 67 years old and a reliable and honored citizen of his community. This discovery cured Mrs. Kelly of a violent form of rheumatism when she was so bad that she could scarcely walk, and after she had been operated on twice in St. Luke's Hospital. Mr. Hollister had been suffering from a complication of kidney and bladder diseases for over ten years, and was about at the end of his hopes. Finally he thought he would try once again and wrote Dr. Turnock, took the famous treatment and was cured and is now, in his 67th year, as hale and hearty as when in his prime. To prove that it will do as much for you or anyone else who suffers from a kidney, bladder or rheumatic disease, you have simply to send your name and address to the Turnock Medical Co., 610 Turnock bldg., Chicago, Ill., and the discoverer will send you a free trial treatment for personal use as well as a 64-page illustrated book which sets forth the doctor's original views, goes deeply into the subject of kidney, bladder and rheumatic diseases, gives the ingredients of his treatment and names of scientists who endorse it, letters of testimony from men and women cured of every one of the above diseases and from every state in the Union. All this costs you nothing and you have simply to write to the discoverer's company at the above address. Do so without delay and you will soon be cured.

Rheumatism

Have you heard of my wonderful Vibro-Ab-sorbent? Do you know that my Vibro-Ab-sorbent method has the world's record as a cure for Rheumatism? This is a big claim, but the proof awaits you. The Vibro-Ab-sorbent is a positive evidence of the truth of my claims. I send a Free Treatment of Vibro to all who write and ask for it. There is positively no cost, no condition, no charge or aftercharge. I simply want you to convince yourself that my treatment cures any form of Rheumatism, and that it does so by expelling the uric acid poison. It cures Rheumatism finally and forever. My elegant pictorial book on the "Conquest of Rheumatism" is a present free with the test I offer you. You get guidance and help together. The Vibro-Ab-sorbent offers you a chance to afford to suffer longer in presence of this generous offer! Your Rheumatism will never grow better by "lettin' alone," and it is a constant loss as well as torture and danger. Do not letter. This Free Treatment and Vibro will give you the healing triumph of the century. Prof. S. M. Watson (Capt. 53) Battle Creek, Mich.

STRANGE ARGUMENT Regarding the cure of STOMACH TROUBLE

"I don't ask people to stop eating or drinking good things when they want to be cured of stomach trouble," says the proprietor of Royal Tonic Tablets. "They wouldn't do so if I did, so I say to them, eat what you like, drink what you like, but take Tonic Tablets according to directions. They strengthen weak stomachs and will positively cure in spite of all. When the stomach trouble disappears, so will all the ailments of head, heart, liver, kidneys, blood and nerves."

We are going to distribute 10,000 packages of our great reconstructive remedy absolutely free. Write for a free sample and booklet and be convinced of their great curative power.

A full month's treatment costs \$1. Your money back if you want it. Royal Remedy Co., Dept. A, 408 Ellicott Sq., Buffalo, N. Y.

Apple Exports Pay.

At the forty-eighth annual session of the Illinois State Horticultural society, held at Urbana, December 16th, President Ahlrich strongly advocated the increase in export of apples to Europe. There are large profits in the business he said, and American shippers are slow to take advantage of it. In 1896 and 1897 over 3,000,000 barrels of apples were exported to Europe, England and Germany being the largest customers. This year less than 1,000,000 bushels have been sent across the water. While the cost of shipping is high, 62 1-2 cents per barrel, the enormous prices in England and Germany permit a large profit. In the former country apples bring from \$4 to \$6 per barrel and in the latter as high as \$6.50. Through improved cold storage in shipment, the apples reach their destination in fine condition. Mr. Ahlrich advocated the adoption of a uniform package for shipping apples. He said that barrels were expensive and hard to obtain, a famine constantly being threatened. He suggested that an open topped basket be substituted, as besides possessing the feature of economy, it permitted a view of the fruit.

Ways must be found of informing the public as to the seductive qualities of these goods, and no effort neglected to inform and please the customer; to put in his hands the grade he wants, not necessarily the best grade, but the one he wants, and to see to it that he is informed and never deceived in this matter.

absence her husband had just reappeared, and now it comes out that she locked him up to cure him of the liquor habit.

Chauncey Depew puts the number of millionaires in this country at about one hundred thousand. He also remarks that "the million dollar man has no rank or place or consideration in the ten million class, and the ten million chap is a little fellow in the fifty million or hundred million circle."

Lyman Abbott compares Henry Ward Beecher with the other great orators of the century. If the test of oratory he says is the power of the speaker to influence an audience, then Mr. Beecher was the greatest orator I ever heard. Comparing him to Daniel Webster he says: "One was a glacier, the other an avalanche, one was a battery of artillery, the other was a regiment of horse charging with the impetuosity of Ney."—Advance.

Chances for Young Men.

"Are there as many opportunities for young men now as when you came to the city?"

"No, for the number of young men has vastly multiplied in proportion to the development of industry and of the country. When I came to Chicago men were few and there was an opening for everybody."

"Were the majority of the largely successful men whom you have known born in the city or in the country?"

"All of them were from the country."



The Ben Davis Apple has long been a favorite of orchardists, particularly those in Missouri. While the Ben Davis is profitable, handsome, firm and long-keeping, it is not of the best quality. Like all other apples, its quality varies when grown in different locations or even in different seasons. Notwithstanding this fact, many trees of Ben Davis will doubtless be planted the coming spring.

This will of itself extend the trade, increase consumption and of course raise prices. Why should not the public be fully informed as to the Ben Davis apple, for example—that it should be used in the spring and not in the fall, as is common now? Things acquire an evil name by unseasonable use. Why should not the public know exactly what is meant by unseasonable use? Why should not the public know exactly what is meant by a No. 1 and a No. 2 apple? If the difference is foggy and not definite, then make it definite, not leave it to the judgment, caprice or cupidity of a thousand different men all along the line. Why not issue attractive advertising literature? Surely the subject warrants it as well as do shoes, soap, or breakfast foods. I tell you now if the trade in apples was in the hands of the men who sell shoes, soap, corsets, gum, etc., apple eating would become a matter of fashion and there would be revolution in consumption and in prices. Think of the possibilities by way of illustration and description. What stands in the way of it? Nothing but the fact that the producers are many and have never used their organized effort in this direction.

In the Procession.

Dr. Chauvel, medical inspector of the French army, reported that of 138 cases of appendicitis in the hospitals treated with the knife, twenty-three proved fatal; while in 480 cases not treated with the knife there were only five deaths. Dr. Chauvel also stated that appendicitis is found to be rare among peoples who eat no meat. "No meat no appendicitis." But the meat eaters suffer.

A Tennessee editor says that he believes in race suicide. In his case the loss would hardly be serious.

There is a woman with a will named Wilburg in Wisconsin. After a year's

"Would you, therefore, advise boys to stay in the country rather than come to the overcrowded cities?"

"I would advise a boy to stay at home so long as he finds there full exercise for his powers require a larger field, then let him move to it. If his abilities really require a large city for their exercise, then he will find a place there."

"Would you advise a young man to marry early?"

"That depends altogether upon whom he marries. Some women are a burden to a career, but the right kind of a woman is a stimulus and a help to it. It is said that the three swiftest means of communication are telegraph, telephone, and tell a woman. If the young man tells the right woman it is a great mistake to assume that he is hampering himself in the race of life. Her encouragement, assistance, and companionship are invaluable to a young man."

"The successful man must know men and know how to use them," was Mr. Farwell's last word. "Grant was successful because he could not only plan battles but could put the right men in the right places to fight them. The successful man is the one who benefits his fellows, not injures them, makes them friends, not enemies; builds up his own success by building up the general welfare. Such a man rules his millions; does not let his millions rule him."

A successful business man said: "Waste a dollar if you must waste something, but do not waste an hour, the dollar you may get back some time, but the wasted hour has gone forever."

Mother—Our Rob has been talking a good bit about the scholarships at his college. What are they, do you know?

Father—Why, eight oared shells, I guess.—Philadelphia "Ledger."

Bright's Disease and Diabetes Cured.

Harvard University Acting as Judges.

Irvine K. Mott, M. D., of Cincinnati, O., demonstrated before the editorial board of the Evening Post, one of the leading daily papers of Cincinnati, the power of his remedy to cure the worst forms of kidney diseases.

Later a public test was instituted under the auspices of the Post, and five Cases of Bright's Disease and Diabetes were selected by them and placed under Dr. Mott's care. In three months' time all were pronounced cured. Harvard University having been chosen by the board to make examination of the cases before and after the treatment.

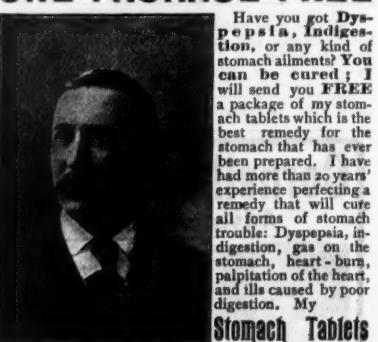
Any one desiring to read the details of this public test can obtain copies of the papers by writing to Dr. Mott for them.

This public demonstration gave Dr. Mott an international reputation that has brought him into correspondence with people all over the world and several noted Europeans are numbered among those who have taken his treatment and been cured.

The Doctor will correspond with those who are suffering with Bright's Disease, Diabetes or any kind of kidney trouble, either in the first, intermediate or last stages, and will be pleased to give his expert opinion free to those who will send him a description of their symptoms. An essay which the Doctor has prepared about kidney troubles and describing his new method of treatment will also be mailed by him. Correspondence for this purpose should be addressed to IRVINE K. MOTT, M. D., 51 Mitchell Building, Cincinnati, O.

Please mention Green's Fruit Grower.

ONE PACKAGE FREE



Have you got **Dyspepsia, Indigestion, or any kind of stomach ailment?** You can be cured; I will send you **FREE** a package of my stomach tablets which is the best remedy for the stomach that has ever been prepared. I have had more than 20 years' experience perfecting a remedy that will cure all forms of stomach trouble: **Dyspepsia, indigestion, gas on the stomach, heart-burn, palpitation of the heart, and ills caused by poor digestion.** My

Stomach Tablets

assist the stomach to digest food. That is their mission. They do this by setting things right in the stomach.

They create new life and energy by strengthening the stomach. Write and **free package** will be sent by return mail.

JOHN MORROW, Chemist,
110 Forest Building, Springfield, Ohio.

ICUREFITS

When I say I cure I do not mean merely to stop them for a time and then have them return again. I mean a radical cure. I have made the disease of FITS, EPILEPSY or FALLING SICKNESS a life-long study. I warrant my remedy to cure the worst cases. Because others have failed is no reason for not now receiving a cure. Send at once for a treatise and a Free Bottle of my infallible remedy. Give Express and Post Office.

Prof. W.H. PEEKE, F.D., Cedar St., N.Y.

TAPE-WORM E. SPLENDID WITH HEAD, GUARANTEED.
NOILET FREE, MYRTLE FIELD, CHICAGO, ILL.
182 STATE STREET.

NEW INVENTION!

Write for new booklet, Special Offer this month. Our new Quaker Folding Vapor Bath Cabinet, finest produced. Everybody delighted. Enjoy at home. See our illustrations, the invigorating, curative effects of the famous Turkish Baths. Open the 5,000,000 skin pores, purifies the entire system. Beats Hot Springs. Prevents disease. Saves Dr. bills. Cured thousands. Nature's drugless remedy for colds, grip, rheumatism, aches, pains, etc. Skin diseases. Children's diseases and female ills. Guaranteed. Sent on 30 days' trial. \$100 to \$200. WORLD MFG. CO., 32 WORLD BUILDING, CINCINNATI, OHIO.



SECRETS OF FRUIT GROWING.

C. A. Green has collected over 100 photographs in a new book with helpful suggestions to fruit growers, instructing the reader in the secrets of fruit growing. It is unlike anything published, illustrating and describing methods of planting and growing trees, etc. Something every fruit grower should have. The price is 25c, but we will accept 10c. if you will mention this paper. Our new fruit catalogue will be sent in the same package. Address,

GREEN'S NURSERY CO., Rochester, N.Y.

POULTRY AND FRUIT.

There are two branches of farm business that yield high net profits and which may be conducted together in harmony for the most part and under most conditions; these are fruit growing and poultry keeping. It requires a man or woman of more than ordinary intelligence and business ability to grow fruit to the best advantage, and the same is true of the requirements for a good poultry keeper. One must be wide-awake, patient, painstaking, resourceful, energetic and generally alert to take advantage of business opportunities if he or she is to make a real success in either calling, and when one has a proper amount of these qualifications to conduct one the same will be true of the other.

By working these two industries together it may be that one will succeed better at one time than the other and in this way afford a more steady revenue than would come from either one alone.

There are several branches of poultry keeping, such as the keeping of chickens, turkeys, ducks, geese and even guineas; and these may be again divided into egg production and meat production. There is ample opportunity for diversity in fruit growing as well; for one may follow apple orcharding alone, or grow several other orchard fruits, or add berry culture to one or more of those just named. In most cases it will pay to diversify to some degree, so as not to have "the eggs all in one basket." But there should be no guessing or indefinite, accidental ways of deciding what to do or how to do it. In my own experience the production of eggs has been far the most profitable end of the chicken business, and the Leghorn breeds the best of all in every way, even for raising young broilers for the home table.

There are very few fruit growers who do not have sufficient land to allow a wide range for poultry, and this is just what is needed for the cheapest and most satisfactory methods of keeping it. The peculiar conditions of the farm and the family must govern, at least very largely, what is done. It does not pay to overtax the abilities to carry to a success what is undertaken. It is better to attempt too little and do that well than too much and do it poorly. A few hens with plenty of room over which they can ramble almost at will are far more profitable than a big flock with scanty room. Whether it be chickens or other kinds of poultry they need ample range over which they may pick the tender grass and other herbage and forage for the bugs and worms that they need to balance their rations. It is the hen with plenty to eat and of varied food and much freedom that usually lays the eggs. The little chicks that have the same degree of generous treatment grow rapidly and make vigorous, healthy fowls. And as to turkeys, they need range almost without limit.

HOW POULTRY HELPS.

Nearly all kinds of poultry work into the economy of the fruit farm, or that portion of any place that is devoted to fruit culture, as insect catchers. They look into every nook and corner and sometimes scratch where we do not want it done, to get the least bug that crawls or flies. That they do some harm we will all agree, but they do a lot of good in this way. Guineas are the most industrious insect catchers on earth. They also pick up a great deal of their living from the fallen fruit that might

Cancer Cured by Anointing With Oil.

A combination of soothing and balsmy oils has been discovered which readily cures all forms of cancer and tumor. It is safe and sure and may be used at home without pain or disfigurement. Readers should write for free books to the originators, whose home office address is Dr. D. M. Bye Co., Drawer 505, Indianapolis, Ind.

Making Money Grow

Is a trade just as much as growing fruit. It's easy if you know how. A Maine man made money fast. Every

\$1 EARNED \$220.00

And \$1,500 earned \$330,000 in 18 months in N. E. Paid in cash to small shareholders in Belfast, Maine—clerks, women, workingmen, clergymen, farmers, etc. Straight honest business that beats Standard Oil for profits. You can invest \$1 to \$100, cash or monthly payments. Returns sure, harvest great, safe as Government Bond. Small investments in business paying large profits grow fast. Don't send us a cent. INVESTIGATE. A 20-page illustrated book,

"A GUIDE TO FULL POCKETS."

Sent FREE. Our money against a postal card and your time. REFERENCES: Bank, City and Fraternal Officials, Business men, etc., sent on request, all you want. This is your chance in 1904. Offer limited.

THE NUTRIOLA CO.,
6805 W. MADISON ST., CHICAGO, ILL.

otherwise be largely lost by decay. Of course they are troublesome in the berry patches at certain times, but they can be shut up in case of necessity, until the berries are out of season. I have found by experience that hens well fed at the trough bother very little in the berry fields or elsewhere on the fruit farm. In the vegetable garden they are an almost constant nuisance, and I believe in either wiring in the gardens or the hens, and the latter one can rarely afford to do on a farm.

If poultry is kept on the farm in considerable numbers, say 200 or more, and fed liberally, as should always be done, the manure that can saved and hauled out on the place will make a great difference in its fertility. I have bought and fed several hundred dollars worth of poultry food in a year, and the manure resulting from it had a marked effect everywhere that it was put.

The shade of fruit trees is very suitable and agreeable to the keeping of poultry, especially when it is young. Portions of apple orchards make the best of runs for the rearing of chicks, and so do other orchards. Plums are often grown with more success in poultry yards than elsewhere, because the curculio is kept down by the fowls, to some extent.

If the soil is plowed and otherwise tilled under the trees and in the runs, for the good of the trees, it is no disadvantage whatever to the poultry. Melior soil is a delight to everything that has feathers. They scratch and wallow in it to their own good and no injury to anything.

I have seen fruit farms where poultry houses were scattered over them, so that one flock would not encroach upon the territory of another. This is an excellent plan in some respects, for it is not well to crowd a large number of fowls in one place, if the best results are to be obtained. Some have movable houses, so they can be changed from one place to another. This gives the chickens fresh ground to work over and benefits the whole of the orchards more nearly equal than if the houses were permanently located.

Whatever is done in the way of combining fruit growing and poultry keeping should be begun in a moderate way and gradually increased. Experience will show the way to proceed. It will not take long to see what is or is not the better plan to follow. Rest assured that there is almost no limit to the market for good fruit and fresh eggs. Both are largely composed of water and do not deplete the fertility of the land on which they are produced. The business is interesting and highly honorable in both branches and is well worthy the best efforts of anyone who loves country life.

H. E. Handeman.

Ordering Goods by Mail.

Last year when I was resting in the Adirondack mountains the owner of our cottage wanted to buy a tent. The first thought was to send to one of the large Chicago mail-order houses for this tent. How many people there are through the rural districts who send their orders by mail to well known establishments enclosing the money or the postal order, or the express order to pay for the same, feeling assured that they will receive promptly the item ordered and that they can secure it at as low a price as though they had visited in person the store and made the selection. There are many ladies who order their dresses, bonnets, shoes and other wearing apparel of large mail-order houses in New York and elsewhere, and many men who thus order their clothing who are perfectly satisfied with the results. In old times those who desired to plant trees or vines waited for the nursery agent to call at their houses. Now, instead of paying \$1 each for a tree, vine or rose bush the intelligent purchaser sends his order to some well known nurseryman direct, thus securing for \$5 which might through the agent have cost him \$10.

"Twas off the blue Canaries
A glorious summer's day,
I sat upon the quarter-deck
And whiffed my cares away;
And as the volumed smoke arose
Like incense on the air,
I heaved a sigh to think, in sooth,
It was my last cigar.

I leaned against the quarter-rail
And looked down in the sea;
E'en there the airy wreaths of smoke
Were curling gracefully.
Oh, what had I, at such a time,
To do with wasting care?
Alas! the trembling tear proclaimed
It was my last cigar.

I leaned against the quarter-rail
And looked down in the sea;
E'en there the airy wreaths of smoke
Were curling gracefully.
Oh, what had I, at such a time,
To do with wasting care?
Alas! the trembling tear proclaimed
It was my last cigar.

Greece is only a small spot on the world's map, but she produces more and better currants than any other country. The crop for 1903 amounted to 250,000,000 pounds. The imports of this fruit into this country from Greece the same year amounted to 33,878,309 pounds. But for this Grecian fruit what would we do for fruit cake on Christmas and other festive occasions?

Things That Never Die.

By Charles Dickens.

The pure, the bright, the beautiful,
That stirred our hearts in youth,
The impulses of wordless prayer,
The dreams of love and truth;
The longings after something lost,
The spirit's yearning cry,
The striving after better hopes—
These things can never die.

The timid hand stretched forth to aid
A brother in his need,
A kindly word in grief's dark hour
That proves a friend indeed;
The plea for mercy softly breathed,
When justice threatens nigh,
The sorrow of a contrite heart—
These things shall never die.

"Uncle Phil, when you were a boy and went to church did preachers tell what they didn't believe?"

"No, the preachers left that to the infidels. They preached what they believed."

"But, Uncle Phil, did you have higher critics then?"

"Hired critics? No, they didn't hire men to criticize the Bible, but to preach it."

"Did any of the preachers tell you that there was no devil?"

"No, indeed. It was no use. There was always somebody around to raise him."

"When you were a boy, Uncle Phil, did you hear them saying that there never was a Moses?"

"No, boy, I never heard of anybody who wanted to get rid of Moses except old Pharaoh, and he seemed to have it bad."—Advance.

Two watermelons cannot be held under one arm.—Turkish Proverb.

Paint Without Oil

Remarkable Discovery That Cuts Down the Cost of Paint Seventy-five Per Cent.



The Discoverer of Powdorpaint.

A. L. Rice, a prominent manufacturer of Adams, N. Y., has discovered a process of making a new kind of paint, without the use of oil. He calls it Powdorpaint. It comes to the farmer a dry powder, and all that is required is cold water to make a paint weather-proof, fire-proof and as durable as oil paint. It adheres to any surface, wood, stone or brick, spreads and looks like oil paint and costs about one-fourth as much.

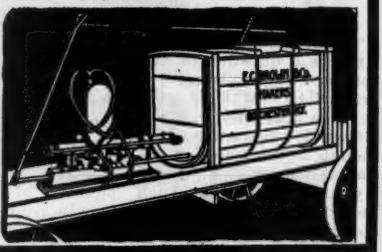
Write to Mr. A. L. Rice, Manufacturer, 390 North St., Adams, N. Y., and he will send you a free trial package, also color card and full information showing you how you can save a good many dollars. Write to-day.

LADY AGENTS WANTED.

Active, reliable lady agents to sell our perfect fitting, custom-made petticoats. Excellent returns. Address, Parisian Co., Box 3748, Boston, Mass.

ORCHARD and PARK SPRAYING RIG

Nothing short of the strictly power outfit approaches the efficiency of this hand power sprayer. Operating the "Hydraplex" pump is like play. A boy easily keeps a dozen nozzles going, spraying 200 trees an hour. Brass working parts avoid corrosion. Valves and packing all exposed. Delivers spray as fog or mist and works at HIGH-EST PRESSURE. Sold separately or with our cypress 150 gallon tank, dirt proof, with outside strainer and mechanical agitator. May be used with any tank or barrel. THE ONLY HAND POWER SPRAYER FOR LARGE OPERATIONS. We manufacture the largest line in America of high grade and power sprayers. Write for free catalogue of all sprayers and appliances. E. C. BROWN & CO., 265 State Street, Rochester, N. Y.



Fruit Growers' Supplies.

Plows	Weeders	Spray Supplies	Slicers	Pruning Knives	Grape Vine Holders
Harrows	Cultivators	Picking Trays	Bleachers	Pruning Saws	Grafting Knives
Rollers	Horse Muzzles	Baskets	Elevators	Pruning Hooks	Grafting Wax
Planters	Garden Tools	Barrel Headers	Dryers	Snagging Shears	Budding Knives
Seeders	Sprayers	Parers	Fruit Presses	Raffia	

We do not sell everything, but make a Specialty of this line.

SEND FOR IMPLEMENT CATALOGUE. Ask for Special Prices on whatever you need.



STANDARD TREE PRUNER

with metal brace plate. Anti-rust rod. Steel lever. Standing on the ground the operator can cut from distance of arms length, to a height of 18 feet, according to the length of pole, the smallest twig or a branch an inch in diameter. Most convenient to use. Sure to do its work well.

Price, not prepaid. Length, 4 feet,	\$.85
" " " 6 "	.75
" " " 8 "	.85
" " " 10 "	.95

DO IT NOW.

Winter Pruning.

We can send the tools to do it with at the lowest prices.

Send for catalogue of

TOOLS FOR FRUIT GROWERS.



Postpaid, \$1.10

Double Edge Pruning Saw, two in one, 85 cts. — — — — —

GREEN'S NURSERY CO., Implement Dept., Rochester, N. Y.



ANY FARMER CAN START

a welding fire in two moments! Our FARMER'S FORGES and do his repairing and blacksmithing at home.

WE GUARANTEE Large and do as much work as any \$10 Forge made, and as represented or refund your money.

Extracts From Recent Testimonials:

"The Forge I purchased of you six years ago has always given perfect satisfaction." THOMAS BLAKELY, Leslie, Mich.

"The Farmer's Forge is a great convenience in 1899 I bought mine and am well satisfied with it." J. W. FOUNTAIN, Des Moines, Iowa.

"I have proved more satisfactory than one of the largest Forges that one of my neighbors has." B. H. HILL, Jr., Hillside, Ill.

"It did the work I wanted it to do and the price was reasonable." T. L. LEWIS, Middlebury Springs, Vt.

REGULAR PRICE OF FORGES \$15.00, but until March 31, 1904, we offer the

FARMER'S FORGE, complete, ready for use, for \$8.75 each,

or a Farmer's Forge, complete, as anvil and vise combined and a pair of tongs, all for \$8.50. This offer may not appear again.

Write today sending stamp for catalogue and testimonials.

O. A. S. FORCE WORKS, Saranac, Mich.

What Would It Profit Man?

For Green's Fruit Grower by Walter Scott Haskell.

The bare brown hills above the sleepy town; The hazy sky, the sun's rays slanting down; The lazy train, with engine's whistle harsh, As slow it wends across the distant marsh.

From dusty road, a traveler views the sights. Looks, and dreams, then, with pen his thoughts he writes.

What though he dreams, what though he writes of skies? Of bare brown hills above where city lies? Do we who scan his written page know more? Who read his thoughts, profound with hidden lore?

If we have mind to grasp the thoughts he gives, The thoughts in him, in us again may live; But if, perchance, we lack his sense, at best; We cannot know, his words can but suggest.

Though wisdom deep, upon life's pages lie, 'Till worm break chrysalis, it cannot fly.

The Grace of Courtesy.

Written for Green's Fruit Grower by G. B. Griffith, E. Lempster, N. H.

The grace of true courtesy is perhaps never more conspicuous than in the reception to visitors. The ill-bred or vulgar woman has two sets of manners; and treats those whom she admires or wishes to honor with excessive cordiality and cringing politeness, while toward those whom she considers beneath her she assumes a manner of patronizing kindness, or treats them with frigidity and haughtiness. Such people are rightly termed "snobs."

Courtesy in either sex is commendable. "If a civil word or two will make a man

showy dress, and ornaments in public, and especially in church.

Quietness, gentleness, and kindness, are among the essentials of good breeding. The true lady receives her visitors without fuss or pretense, and with a cordiality that corresponds with the size of her heart. In fact, courteousness lies in a due regard to the feelings of others, and is a Christian duty of man or woman. St. Paul enforced it by his precepts, and illustrated it by his example. The whole tone and tenor of the Bible indeed teaches us to be courteous as well as kind.

How to Please Her.

A woman likes to be truly loved and to be told so.

She likes some noble, honorable man to be thoughtful of her, kind and considerate of her welfare.

When well and becomingly dressed, a quiet notice of it is always appreciated.

A word of praise for a nice dinner or supper often more than compensates her for the worry and work of preparation.

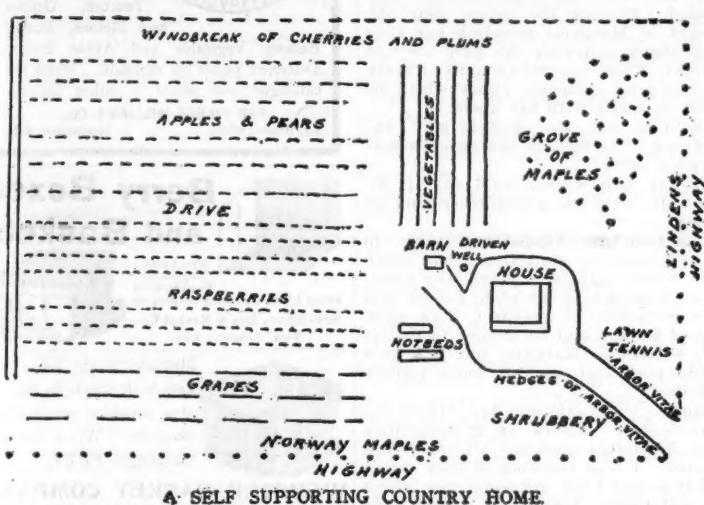
She wants her husband not only to be her supporter but her companion, remembering that it is the kind word that often brings her greater happiness than a new set of dishes, though presents like the latter are always welcome.

She likes to be made to realize that she is good for something besides a mere household drudge.

She likes to be petted occasionally, but not in public. The little private pet names are very dear to a woman's heart.

—McCall's Magazine.

A German chemist describes a new cement, composed of casein and some tannic acid compound, that becomes very hard when dry, and is then insoluble in water, oils, petroleum, etc. In

**A SELF SUPPORTING COUNTRY HOME.**

Readers of Green's Fruit Grower often ask for designs for laying out home grounds. Many of our readers are building new houses or establishing new country homes and desire information. We re-engage by permission from New York Tribune, the above design intended for the country home that will grow enough fruits and other products to support a small family with money from sales. Our readers who are intending to plant trees, vines, etc., on their established home grounds will get suggestions from the above design. In front of the house is a spot of ground marked shrubbery. I should advise great care in planting this shrubbery so as to leave an open expanse of lawn in front of the house with the shrubbery clumped together at one side of the lawn. I would not carry the hedge that is intended to border the drive, in front of the house, nor would I plant trees in front of the house that would obstruct attractive views.

happy," said a French king, "he must be wretched indeed who will not give them." Very aptly has Cawdry expressed it: "As the tree is known by its fruits, the gold by the touch, and the bell by the sound; so is a man's birth by his benevolence, his honor by his humility, and his calling by his courtesy."

There is never the slightest excuse for incivility, even if the guest be a bore, or not particularly congenial. The true lady or gentleman receives all visitors with courtesy. The mistress of the house not with a kiss of pretended affection, nor with a formal, frigid bow of chilling politeness, nor with a broad grin of pretended pleasure upon her lips, or assurances of welcome which she does not feel, but always with a bow that implies respect and kindly feeling, a smile in the eye, and with no thought of self. For, after all, true courtesy is really the art of forgetting ourselves and living for the time in those around us. The pretentious man or woman is always vulgar.

Alexander the Great got the hearts of his foot-soldiers by calling them his fellow footmen. Aristotle, the better to insinuate into his hearers, read not to them, as others philosophers used to do, from a lofty seat or desk, but walking and talking with them familiarly, as with his friends, in Apollo's porch, he made them great philosophers.

Vespasian was as highly esteemed by the people for his courtesy as Coriolanus contended and condemned of all for rusticity. The well-bred woman avoids making herself conspicuous in any way. She shrinks from loud talking, laughing, or anything that might attract attention. She avoids tawdry finery, and

obtained by adding clear lime water to a tannin solution until no further precipitation occurs, then pouring off the liquid and drying the precipitate. The calcium tannate is mixed with casein in proportions ranging from 1 to 1 up to 1 to 10. The dried mixture is reduced to powder, which is ready for use on adding water to any desired consistency.

A woman in business is natural as a man rolling a baby carriage in the park. Anyway, a bachelor doesn't bore everybody to death telling what smart things his children say.

It is a great comfort to a wife to feel that if she had married better than she did she might not be as good a woman as she is.

Some men are so tactful they smoke the cigar their wives buy them for presents.

Women tell jokes the way children play button, button, who has got the button—to see if anybody can find it.

A woman likes to be suspicious of her husband so she can feel happy when he convinces her she oughtn't to be.

The meanest thing that can happen to a woman is when her new gown comes home to have it storm all day so she can't put it on and call on every woman she knows who hasn't got a new one.—New York Press.

Father (sternly)—Didn't I tell you if any of the other boys said anything to make you angry you should count twenty before you said anything?

Tommy—Yes, sir; but I didn't need to say anything. Before I'd counted twelve the other boy yelled "Enough!"—New York Press.

BURPEE'S Farm Annual

"THE LEADING AMERICAN SEED CATALOGUE" is now more "a leader" than ever before. Thoroughly revised and greatly improved, it tells not only THE PLAIN TRUTH about seeds, but has also many new features for 1904.

An elegant book of 175 pages, it contains hundreds of illustrations from nature and six superb lithographic colored plates. It shows in natural colors thirteen "true and tried" new Vegetables of sterling merit, three new Nasturtiums (of a distinct type), and seven Superb Sweet Peas—all painted from nature, by New York's leading artist, at our famous FORDHOOK FARMS.

It presents also twenty-one faithful photogravures of America's Largest Mail-order Seed Trade,—views in both town and country. Altogether it is pronounced the

Best Seed Catalogue Ever Published

And it's Free! provided you will ask for it now. It will cost YOU one cent to mail your address on a postal card to us. It will cost us four cents postage—plus eight cents for the catalogue,—just twelve cents to respond to your request. We are willing to bear this risk—twelve for one! If you will only read

BURPEE'S FARM ANNUAL for 1904

We feel quite sure that you will favor us with at least a trial order, and this is all we ask, as BURPEE'S SEEDS will tell their own story in your garden and fields.

Better send for this catalogue to-day! One cent spent by you insures twelve cents spent by us, and this should be sufficient to convince you that we have faith in BURPEE'S SEEDS and also in our ability to persuade you to try BURPEE'S SEEDS, if you will only read BURPEE'S FARM ANNUAL.

Are you willing to spend that cent?

Shall we hear from you? If not, You will miss an opportunity to become acquainted with the very BEST SEEDS that can be grown!

W. ATLEE BURPEE & CO., Philadelphia, Pa.

PLEASE MENTION THIS PAPER.

**BUY WOOD'S Strong Growing PLANTS**

They'll be the best fruiters when grown. Blood tells in plants as well as animals. I grow on my own farms in the best fruit soil and climate in the world, everything I sell. If you are looking to future luxurious bearing, there is no stock grown that is so sure to please and produce profitably as

Wood's Small Fruits.

They have health, rooting, growing vigor and are bred with strongest fruiting qualities. I make a specialty of Strawberries, Blackberries, Raspberries, Dewberries, Currants, Grapes and Garden Roots. Also limited but unsurpassed stock of Apple, Peach, Pear, Plum, Cherry and Quince. Don't place an order until you have my free General Fruit Catalogue. Also ask for free circulars of Twelve Special Fruit Offers. Choice fruit groups for every garden at reduced prices.

ALLEN L. WOOD, Wholesale Grower, Rochester, N. Y.

"NEW UNIVERSAL" LINE OF GARDEN TOOLS

6 STYLES SEEDERS double or Single Wheel Hoe, **6 Tools in 1.** Cultivator, Plow, Rake, Chaser quick-made. Combined seeder, marker, hoe, rake, plow, cultivator. Six on double wheel. Every adjustment easily made. For planting and all kinds of cultivation.

**THE GREAT WESTERN Manure Spreader**

is the only Spreader has an ENDLESS APRON and made that has many advantages which it possesses. It's always in place and ready to receive the load without any turning back either by hand or complicated, easily broken machinery. The front and rear axles are of same length which, with the Broad Tires Prevents Rutting of fields, meadows, etc., and makes wet, dry, frozen, light, chaffy, packed or caked, lime, plaster, wood ashes, cotton-seed and hulls, etc. Can be charged instantly to spread thick or thin while the machine is in motion. Trial in every way.

END GATE AND BEATER AND HOOD PROTECTOR IN USE. as to weight, capacity and durability. All parts breaking within one year will be replaced without charge. Write for free Illustrated and Descriptive Catalogue—the best and most complete Spreader catalog ever published.

SMITH MANURE SPREADER CO. 16 & 18 S. CLINTON STREET, CHICAGO, ILL.

BEST-PAYING AMERICAN HORTICULTURE

\$250 or \$500 (\$10 or \$20 monthly) invested in our three plantations will soon pay 100 per cent. each year.

PARTICULARS FREE

Write for our free books—96 pages, illustrated AMERICAN NUT AND FRUIT CO., Philadelphia (Agents Wanted) Prof. H. E. VAN DEMAN, Pres.

NO INVESTMENT AS SAFE, PROFITABLE AND LASTING

A crop that pays may not pay as well as it should.

Potash

is a plant food which all crops must have. Without sufficient Potash to feed upon no crop can reach that point where it pays best.

Experiments have demonstrated the value of Potash.

We will send free, to any farmer who will write for it, a little book that will give facts in full.

GERMAN KALI WORKS

93 Nassau Street,

New York.



High-Grade Flower Seeds. 20 Packages 10c. FOR

KINDS.	KINDS.	KINDS.
Aster.	Candytuft.	Morn. Glory.
16	10	6
Pansy.	Eschscholtzia.	Marigold.
10	12	13
Bat. Button.	Lentil.	Sw't. William.
10	12	10
Sweet Peas.	Larkspur.	Primula.
12	10	6
Poppies.	Nasturtium.	Sweet Alyssum.
15	10	8
		Callopis.
		12
		Balsam.
		12
		Pinks.
		10
		Sweet Mignonette.

All of the above sent to any address, postpaid, for 10c., silver or six two-cent stamps. As a premium, in addition to introduce our seeds, in every household, we will also send a collection of fine, beautiful bulbous free with catalogue.

SOMERVILLE NURSERY,
Somerville, Mass.

AMOUR BERBERRY HEDGE.

An ideal hedge as a wind break or fence. Will turn any kind of stock. Bears fruit equal to currants for making jelly or wine. Beautiful when trimmed as an ornamental hedge. Hardy, grows fast, grows anywhere in soil. Write for descriptive catalog. One for 25c, postpaid. The Gardner Nursery Co., Box 717, Osage, Ia.

Strawberry Plants and Seed Potatoes.

You can make more money if you plant intelligently. Write and tell us about your soil. We'll send you our Free Descriptive Book. Over 100 varieties.

FLANSBURG & PEIRSON,
Leslie, Mich.

Hammond's Seeds Lead

in vigor, yield, earliness and quality. Better cannot be had. Prices very low. We can save you money. Northern Grown always the BEST. Our handsome 100-page catalog of Garden, Field and Flower Seeds mailed free on request.

Harry N. Hammond Seed Co., Ltd.

Box 59.

BAY CITY, MICH.

Try the New Majestic Tomato

This grand variety we claim to be the largest and most productive ever in existence. It yielded 116 bushels per acre on our place last season, grown under ordinary conditions, and will, we believe, double it by special culture. The fruit is not coarse and rough like other large sorts but is of fine shape and quality. It is the largest tomato ever raised this year and sells at 40 cents per package of 100 seeds. We desire, however, to place our catalogue in the hands of every one who has a garden and have decided to send a trial packet of 25 seeds FREE if you send us 10¢ in postage.

\$100 in Cash Prizes

\$30 for largest tomato grown, \$10 for largest yield from one plant.

\$3 for best photograph of a plant. Postal brings 10¢ worth of seed, a chance to win a valuable cash prize and the catalog and seed packet published. Our Iowa Seedsmen unsurpassed.

IOWA SEED CO., Des Moines, Iowa.

This Washing Machine FREE

To introduce the Improved Favorite Washer in every home in U. S. - Will be a machine freight paid to the first to write. Will send two machines. Sell one and keep the other. You don't have to act as agent in order to get Machine Free. Machine washes anything that can be washed by hand, does less work than any other machine made. Tried for years. Write to-day. References: Merchants Nat'l Bank, Muncie, Ind. H. E. Ball, Mrs. H. E. Ball, Muncie, Ind.

The New Farmer.

By Pearl Ulilla Davis for Green's Fruit Grower.

There's a mighty lot in farmin' That a fell'r's got to know! If he wants to keep from harmin' All the stuff he has to sow. First he's got to have good horses— Ten to one, they'll kick an' balk; Then he takes his last resources Tryin' to make the old horse walk! And he's got to have good ground Plow and sow his seed into, Or he'll find that pesky weeds do 'Nough to make a fell'r blue.

But you bet when once he's started, The grain comes up so green, He and hopelessness have parted,— Prodest man you ever seen! Talks to all the neighbors like he Was the richest man around; Gits to courtin' old man Jane's Daughter in the nearest town, Soon he up an' marries, comin' To his home to make 'em look; Then he slyly tells 'em that he Married just to git a cook! That man, you see, Was me!

Possibilities of a Quarter Acre.

ACTUAL EXPERIENCE STRUGGLING WITH ILL HEALTH AND POVERTY.

Written by a subscriber of Green's Fruit Grower.

"Well, mother, school's over for this term and I'm glad!" said Margaret Ellis as she entered their cosy home one dreary February day. "My head aches, my back aches; in fact I seems to be one great ache," and she dropped wearily into a chair.

Mrs. Ellis looked at her daughter, her face changing quickly from glad welcome to one of anxiety, as she noticed how careworn she looked. "You have been working hard this week. You must try to take things easy," she said. "Yes, I'll try," said Margaret. "All our debts are cancelled and the house rent paid for another month. Besides, I have saved two months' salary. Have the children come in from school?"

"No, but it is almost time," said Mrs. Ellis. "Lie down awhile and I will get tea."

A hub-bub arose in the hall and with the cry, "Margie's come!" two lively figures ran across the sitting room and Margaret found herself almost smothered with loving hugs. "Oh, Ellie, Mark, don't strangle me!" she cried. "Go look in my lunch basket." Rush for the basket and in its was found three great red apples.

"Let's go to the kitchen and let Margie be, she's tired," said Mark. The children left the room and Margaret was thankful to be alone. Ever since her father died, the October before, she had been the main support of the family. Mrs. Ellis, who was rather delicate, did mending for many neighbors. Waterville was a thriving manufacturing city and a great many of the women, as well as the men worked in the mills and factories. They were therefore, glad to get the mending off their hands. Mrs. Ellis earned enough some months to pay rent. This was a source of satisfaction to her, as she felt that the whole support was too much care for Margaret. She was only eighteen. It was her first school and she received but thirty-five dollars a month. The six-months term was ended and Margaret was very tired. She was successful but inclined to worry over trifles.

"Mother," she said one day, "there are fourteen rose bushes in grandfather's yard. I counted them one afternoon last summer. I was thinking if they do as well this year I can dry some rose leaves and sell them. I know of a drug firm in New York that buys them. I'll get a little money in that way to help along."

"It will be also good for you to attend to them," said Mrs. Ellis. "Grandfather once said he planted every available inch each year. Mr. Hawkins did not follow in his footsteps but he did take care of the fruit trees, strawberry bed and other plants he found there."

"What fruit trees are on the place?" asked Margaret.

"There are three cherry trees, three plum, two pear and five peach trees, a mulberry tree and two grape vines."

"Shall we become peddlers and dispose of our truck and fruit?" asked Margaret.

"Why not?" replied her mother. "It is honest and healthful. Grandfather owns a fine Jersey cow, four years old, and she has just 'become fresh.' We can sell milk to the villagers; very few of them keep a cow. I'll try to get uncle Jim's horse and spring-wagon once a week to bring produce to Waterville.

Most of the neighbors will buy of me and I shall mend and darn for them as usual.

"Hasn't grandfather two stands of bees?" asked Margaret.

"Yes, and he understands caring for them," said Mrs. Ellis. "He told me he took over a hundred pounds from each hive last year."

"I shall plant white clover and many sweet flowers," said Margaret. "I shall enjoy it all so much."

"Grandfather said the strawberries last year were fine. The bed is not large, about ten by twelve feet, but Mrs. Hawkins said they picked six or seven quarts every day for nearly three weeks. Before and after that time they picked two quarts each day."

"Aren't there raspberries and currants along the fence?"

"Yes, there are five currant and two gooseberry bushes. There is a long row of raspberry bushes which grandfather

people were kind. Her brother-in-law Boomer, I am wild to leave. Can't would bring her things from his own we move soon?"

scanty store, for he was poor and had a large family. Grandsire Ellis, a hale man of eighty, would often come along for he lived with his son James. He owned a trim little house with a quarter of an acre of ground in the village of Norfield near by.

Margaret mended slowly. One sunny day in March she was lying on a couch. Near her sat Mrs. James Ellis. "Yes," to Aunt Laura was saying, "I have been getting plenty of eggs and several of my hens want to set, so I set three for myself and one for you, and your hen came off with twelve chicks. I'll bring 'em the next time I come."

"I am much pleased," said Mrs. Ellis. "Four of my hens have stopped laying and want to set. I have only two that now lay."

At that moment Grandsire Ellis came in. "Mary," he said to his daughter-in-law, "I'm proper glad dinner's ready for I'm as hungry as a wolf."

They all drew round the table but Margaret. She said she was lazy and would rather eat her dinner in the sun. "Hawkins moves off my place next week," said the grandfather, referring to his tenant. "He's going to farming. Jim and me was 'lowing that maybe you and Margaret would like to keep house for me a spell. Mark could help his uncle this summer and he'll give him two dollars a month and his board. In my young days that was thought good pay for a boy of twelve."

Mark's face fell a little but Mrs. Ellis looked glad. She had been thinking of the house rent to be paid for the long spring and summer. Dr. Brown had peremptorily demanded Margaret to give up all thoughts of teaching the coming year. "You must live an outdoor life all the year, and do some light work inside in the winter." Therefore, Mrs. Ellis was delighted with his plan for it solved several difficulties she had dreaded. Besides the house rent she thought of Margaret spending her time out-of-doors, enjoying the pure air and sunlight. Then too, she thought of Mark and the good influence under which he would be while with his uncle.

"We'll be only too glad to go," she answered. "As soon as Margaret is better we'll move."

"To-day two weeks, we'll say, if all goes well," said the grandfather, and all agreed.

They took their departure early in the afternoon for aunt Laura had much to do before nightfall. Mark was somewhat reconciled to the plan, for he was more grown-up in intellect than most boys of his age and he seemed to realize their situation. Margaret too, was glad of the plan and mended more rapidly each day.

"Mother," she said one day, "there are fourteen rose bushes in grandfather's yard. I counted them one afternoon last summer. I was thinking if they do as well this year I can dry some rose leaves and sell them. I know of a drug firm in New York that buys them. I'll get a little money in that way to help along."

"It will be also good for you to attend to them," said Mrs. Ellis. "Grandfather once said he planted every available inch each year. Mr. Hawkins did not follow in his footsteps but he did take care of the fruit trees, strawberry bed and other plants he found there."

"What fruit trees are on the place?" asked Margaret.

"There are three cherry trees, three plum, two pear and five peach trees, a mulberry tree and two grape vines."

"Shall we become peddlers and dispose of our truck and fruit?" asked Margaret.

"Why not?" replied her mother. "It is honest and healthful. Grandfather owns a fine Jersey cow, four years old, and she has just 'become fresh.' We can sell milk to the villagers; very few of them keep a cow. I'll try to get uncle Jim's horse and spring-wagon once a week to bring produce to Waterville.

Most of the neighbors will buy of me and I shall mend and darn for them as usual.

"Hasn't grandfather two stands of bees?" asked Margaret.

"Yes, and he understands caring for them," said Mrs. Ellis. "He told me he took over a hundred pounds from each hive last year."

"I shall plant white clover and many sweet flowers," said Margaret. "I shall enjoy it all so much."

"Grandfather said the strawberries last year were fine. The bed is not large, about ten by twelve feet, but Mrs. Hawkins said they picked six or seven quarts every day for nearly three weeks. Before and after that time they picked two quarts each day."

"Aren't there raspberries and currants along the fence?"

"Yes, there are five currant and two gooseberry bushes. There is a long row of raspberry bushes which grandfather

people were kind. Her brother-in-law Boomer, I am wild to leave. Can't would bring her things from his own we move soon?"

Farmers' Handy Wagon With 4-Inch Tire Steel Wheels

Low and handy. Saves labor. Wide tires, avoid cutting farm into ruts. Will hold up any two-horse load. We also furnish Steel Wheels to fit any axle. Any size wheel, any width of tire. EMPIRE MANUFACTURING CO., Box 64, Quincy, Ill.

Hill and Drill Seeder

plants everything—\$5.00. We pay freight.

Best, biggest and cheapest line of garden and farm tools at factory prices to introduce.

Write to any of our companies in agency.

HICKORY, MICH., Hill City, MICH., 28 Superior St., Toledo, Ohio

\$6.95

BEST ONE AND TWO WHEEL

Garden Plow

Hoe, Rake, Cultivator, Weeder and Hilles (combined) 13 tools. Does all work in garden or truck farm. Adjustable to every crop and all conditions. All steel but handles.

HILL AND DRILL SEEDER

plants everything—\$5.00. We pay freight.

Best, biggest and cheapest line of garden and farm tools at factory prices to introduce.

Write to any of our companies in agency.

HICKORY, MICH., Hill City, MICH., 28 Superior St., Toledo, Ohio

FRUIT PACKAGES

of all kinds.

Berry Crates

and Boxes, Clip-

max Baskets for

Peaches, Grapes

and Melons, Bushel

Baskets, Vegetable and Apple Boxes. Delivered prices on carloads. Write for catalogue and prices to either factory.

THE PIERCE-WILLIAMS CO., Jonesboro, Ark.

Berry Boxes and Baskets

Fruit and Vegetable Packages of every kind. Send for catalogue.

NEW ALBANY BOX & BASKET CO., New Albany, Ind.

Machine made Berry Baskets with staple in bottom, also, machine made Peach Baskets. Write for our Catalogue FREE.

WEBSTER BASKET COMPANY, Box 431, Webster, Monroe Co., N. Y.

Fruit Packages of all Kinds

Why not order now and get the discount allowed on winter orders. Price List Free.

Address,

BERLIN FRUIT BOX CO., Berlin Heights, Erie County, Ohio.

BASKETS!

Berry, Grape and Peach Baskets.

Write for price list and circular. Address,

WEST WEBSTER BASKET CO., Webster, Monroe Co., N. Y.

CHARLES F. ROBERTS, President.

BIG MONEY Made at Home Weaving Rugs and Carpet

NO EXPERIENCE NEEDED

\$4 a Day Easily Made

We start men and women in a profitable business on a small investment. Write quick for prices and Loom Book.

REED MFG. CO., Box T, Springfield, Ohio.

SPRINGFIELD, OHIO.

The question is, do you want to earn a longer an ex-

CIDER MACHINERY

Knuckle Joint & Screw Presses, Grinders, Elevators, Pumps, etc. Send for Catalogue.

Boomer & Boschert Press Co.,

347 W. Water St., Syracuse, N. Y.

The Fruit Grower

published at St. Joseph, Mo. will be sent 1 year if you send 50c and name of 10 farmers

who grow fruit. "The Fruit Grower is the best fruit paper we have, East or West." Prof. Price, Dean, Ohio Agri. College.

Price, 50c. Box 1000, St. Joseph, Mo.

For sample address

FRUIT-GROWER CO.,

3015, 7th St., St. Joseph, Mo.

"I hope so, and as soon as we are settled I want to bring grated horse-radish, rhubarb and asparagus to town. There is a nice horse-radish bed near the pump. The asparagus bed is large and that long row of rhubarb will sell well."

"O mother," cried Ellie with shining eyes, "guess what we've got to show you. Chucky's got eight chicks and I believe there'll be more to-morrow."

And there was. Not only Chucky had eleven chicks in her nest but all three of the others had chickens. By the end of the week there were forty-six little black and yellow balls of down in the coops in the back yard. Ellie attended to their wants with untiring devotion.

"I'm going to be a chicken-raiser when I'm a woman," she had said.

"I paid the doctor and other bills this morning and have just twenty dollars left," said Margaret. "I have that, some good clothes and my wheel to show for by winter's work. Mother, have you ever thought how many of the factory people carry lunches each day? Why can't we make pies as large as a saucer and charge seven cents apiece for them? We could make this a sort of side issue to our gardening. I could make a big cake each week and you could sell it by quarters or halves."

Continued in next issue, telling how the family moved onto a little country place and succeeded in securing money and health by fruit growing, poultry and other pursuits.

Tea Table Epigrams.

Nervous dyspepsia is one of the symptoms of plutocracy.

One way to keep peace in the household is to forget what you intended to say about the steak.

If the baker sends you an overmeasure of cakes, have him arrested for lunacy.

A saline solution of griddle cakes doesn't constitute a salt and batter-y.

When the coffee won't settle, a man thinks he has good grounds for a kick.

It is time to leave the table after the tea leaves.

If every man got his desserts he would be kept too busy to worry about the soups.

A man never knows the value of a wife until he has to get up his own laundry.

It's a mighty poor way of showing partiality to save up all the wings for the star boarder.—What to Eat.

A Green-Crop Farmer.—An Iowa farmer received a free package of seed from the United States Agricultural department. He read the franked envelope notice of "\$300 penalty for private use." He wrote Secretary Wilson protesting the "exorbitant prices charged by the government for its free seeds," and further explained: "I cannot put the seeds to public use and cannot afford to pay \$300 for using them myself." Of course, it was explained to him the penalty referred to the private use of the franked envelope only. This farmer should confine his efforts strictly to raising green crops.

She was city bred, and had the usual fear of cows.

"Why," she asked, when the danger was past, "did you take me across this lot?"

The small country lad chuckled.

"I thought it would be fun," he said, "to see you try to climb a tree." Then after another chuckle: "And it was."—Chicago Post.

The girls are watching the passers-by and commenting upon them.

"Here comes young Bustly," says the first girl. "It's too bad about him. He has a Christmas-card income and diamond-ring taste."

"Yes," answers the second, "and there goes old Closun. He has a diamond-ring income and Christmas-card taste."

A blanket mortgage will not keep a house warm in zero weather.

SPRAYING FRUIT TREES.

The question of spraying fruit trees to prevent the depredations of insect pests and fungus diseases is no longer an experiment but a necessity.



Our readers will do well to write Wm. Stahl, Box 4, Quincy, Ill., and get his catalogue describing 31 styles of Spraying Outfits and full treatise on spraying the different fruit and vegetable crops, which contain much valuable information, and may be had for the asking.

We Make What We Sell & Sell What We Make

We do not run a catalogue house. We manufacture buggies and sell them—direct from our factory to the user. No agent or retail dealer can get them unless he buys from us at the price you pay. For 1904 we are supplying the world of buggy users with a special bargain in both price and quality, a buggy that has 100 POINTS OF MERIT

Split Hickory Special Top Buggy \$50 For Only

A Two Years' Iron-Clad GUARANTEE

goes with every Split Hickory Special for 1904, a guarantee that protects you absolutely. We cannot give full specifications here of the merits of this buggy as furnished regular. It has over 100 Points of Merit, the main material sizeable furniture, and is second to none on any other buggy on the market. Below we give a few of them.

Split Hickory second growth wheels with screws through the rims to prevent splitting; 1/4 inch round edge steel tires set hot, long distance, dust proof axles with cemented axle beds, two more clips on the axles than found on other buggies, oil tempered springs and graduated springs choice of wool, sheep, or Bailey body loom, 16 oz. impregnated all wool broadcloth upholstering, open bottom spring cushion, solid panel spring back, water-proof top with genuine No. 1 enameled leather quarters and back stays, back stays padded and stitched, all wool headlining, 25 oz. Fairfield rubber roof and back curtains, 10 oz. leather for under carriage, side curtains, full length valence, carpet, panel carpet and toe carpet, padded, patent leather 18 inch dash, longitudinal center spring board, boot on back of body, quick shifting shaft couplings, 16 coats of paint, oil and lead before priming. We furnish this buggy in plain or fancy colors, with three or four bow top, high or low wheels, arched or dropped axles, wide or narrow body, different design of upholstering in custom and body. In fact, can make any reasonable changes that may be desired, finishing the buggy to order, shipping promptly and guaranteeing perfect satisfaction.

Write for our Catalogue today. It will post you on how to buy a good buggy at a price that will guarantee you your money's worth.

NOTE.—We manufacture a full line of high grade Harness, sold direct to user at wholesale prices.



THE OHIO CARRIAGE MANUFACTURING CO. (H. C. Phelps, President), 318 Sixth St., Cincinnati, O.

Bubbles.

Free silver-gray hairs.

On the quiet—an illicit whisky still. A hitching post—the wedding altar. In the best of trim—expensive millinery.

The dentist generally believes in first impressions.

A dead fire is sure to be found out. Even some Paris-made gowns are Worth-less.

Needless are often needless in times of need.

The opening dance generally starts the ball a-rolling.

The fencing master does not give instruction in picket duty.

An "old hen" of a woman is not always chicken-hearted.

The brakeman may not feel at home among the breakers.

A man can't get ahead of time by putting his watch in his hip pocket.

Some so-called boarding houses deserve to be boarded up.

The baker usually has lady fingers or hand.

When the bridal couple turns to leave the altar that's the turn of the tied.

A man feels the worst when another man gets the best of him.

Though he may not be a curio collector the bank cashier looks out for that which is "queer."

She doesn't use slang, but, you see, she's engaged.

To a very nice man—a New Yorker; He's employed in a bottling establishment, so

It's not slang when she says, "He's a corker."

—Philadelphia Bulletin.

The Beau Brummel of Seventh avenue had accompanied the colored young woman to the shoe store, where she desired to make a purchase.

"What number of shoes do you wear?" the salesman inquired.

She glanced at the young man apprehensively. He was so near that he could not fail to hear the answer. Then she said to the clerk:

"Dat soun's like er foolish question ter me."

"But it isn't, I assure you."

"Well, den, ef you gotter have an answer, de number ob shoes I wah is two, same ez anybody else. Did you fink I hab er wooden laig?"—New York Press.

If your guests fare ill with you they are apt to say farewell to you.

Lots of things he doesn't want comes to the man who is impatient.

When a man is popular only with widows he isn't anybody's first choice.

Fortunately for stupid people, the weather changes often enough to supply them with something to talk about.

If free advice were half as valuable as the giver would have you believe he would be too busy counting money to hand it out.—Chicago News.

Father—it's singular that whenever I want you to marry a man you object, and whenever I don't want you to marry one you straightway insist on it.

Daughter—Yes, dad, and whenever we're agreed the man objects.

His Wheels Don't Track.

Ol' Sam Jones he ust to say,

"As shore as fate
The only way for git ahead
Is to go it state."

There's many a fellier in this here worl'

That goes to wrack,
For the simple reason he don't run true—

His wheels don't track.

"They's some whose front wheels run fus-
rate—

Their words air fair;

And yet ther hind wheels o' action ain't
Jest put on square.

They's a twist someway in the way ther
made;

They's sompin' slack.

So they mark a crooked trail through life—

Their wheels don't track.

"They ain't no room for the wobbly kind;

They're a trifle slow.

If ye git ahead in the race o' life,

Ye've got to go,

Ye've got to whip, and ye ain't got time

For looin' back;

And ye can't win out ef ye've got a rig

Whose wheels don't track."

—N. E. Homestead.

Girls Do the Wooing.

Not everywhere do the boys do the wooing, says the Chicago "Tribune."

Among the gypsies of Moravia, for instance, none will dare to presume to court a maid until she has notified the young man of her choice her readiness.

Then she does by using a cake as a love letter, baking therein a coin, and throwing it within his tent door at night when he is alone. He, of course, is not bound to accept. But if he does it behoves him to be faithful. The Romany of Hungary knows naught of breach of promise suits. Instead, the relations and friends of the jilted maiden wait upon the inconstant lover, argue with him, plead with him. Then, if he still remain obdurate, he is malmed by a shot in the leg or arm.

By ancient Romany custom, too, the slighted girl has the right to be present and to decree in which of his limbs he shall be wounded. In practice, however, she usually elects to stay away, thereby leaving the fearful choice to him.

A marriageable Burmese girl as soon as she has completed her tressus places in her window the "love lamp," and according to whether its intersecting beams, carefully directed from behind with her own tiny toilet mirror, shine on this hut or on that the gallant within knows that somewhere a lassie's heart is inclined toward him.

A marriageable Burmese girl as soon as she has completed her tressus places in her window the "love lamp," and according to whether its intersecting beams, carefully directed from behind with her own tiny toilet mirror, shine on this hut or on that the gallant within knows that somewhere a lassie's heart is inclined toward him.

Chicken Croquettes.—Minced cold chicken and about one-quarter as much bread crumbs, gravy or drawn butter enough to moisten, and one egg, pepper and salt and chopped parsley to taste.

Make into rolls and roll into flour until well covered; then fry a few at a time in half lard and half butter until a delicate brown. Serve in a heated dish, with cress or parsley.

—Philadelphia Bulletin.

But it isn't, I assure you."

"Well, den, ef you gotter have an answer, de number ob shoes I wah is two, same ez anybody else. Did you fink I hab er wooden laig?"—New York Press.

If your guests fare ill with you they are apt to say farewell to you.

Lots of things he doesn't want comes to the man who is impatient.

When a man is popular only with widows he isn't anybody's first choice.

Fortunately for stupid people, the weather changes often enough to supply them with something to talk about.

If free advice were half as valuable as the giver would have you believe he would be too busy counting money to hand it out.—Chicago News.

Father—it's singular that whenever I want you to marry a man you object,

and whenever I don't want you to marry one you straightway insist on it.

Daughter—Yes, dad, and whenever we're agreed the man objects.

OHIO FARMER WEEKLY and

GREEN'S FRUIT GROWER

Monthly, for 1 year, all for 65c.

Address, Green's Fruit Grower,

Rochester, N. Y.

CHEAP FARM LANDS

Located on the Yazoo & Mississippi Valley R. R.
in the Famous

YAZOO VALLEY

Of Mississippi—Specially Adapted to the Raising of

COTTON, CORN, CATTLE AND HOGS.

SOIL RICHEST IN THE WORLD

Write for Pamphlets and Maps.

E. P. SKENE, Land Commissioner,
Central Station, Park Row, Room 180,
CHICAGO, ILL.

ONE NIGHT OUT

TO FLORIDA

FROM

Chicago or Cleveland

IA

BIG 4 ROUTE

BEST ROUTE TO

California
Colorado
and Texas

W. J. LYNCH, Gen. Pass. Agt.

CINCINNATI, O.

SEND US 25¢, to cover cost of packing and post-

age, and receive this grand "UK SHINE" collection of Beautiful Flowers, our new cata-

logue, containing the most beautiful flowers, giving you more miles back,

1 pck. Floral Butterflies Plant

1 pck. Printed Petunia

1 pck. Sweet Pea (Giant)

1 pck. Verbena special mixed

1 pck. Cup and Saucer

1 pck. Orchid or Fringed Flwr

1 pck. Flowering Sage

1 pck. Hardy Gar'dn Heliotrope

1 pck. Blue Bells

20 Bulbs 1 Spar. Freesia 1 W. Flower,

Ranunculus, 2 Hyacinths, 1 Madeira, 1 Sham-

rock Flower, 10 assorted bulbs for flower or garden.

All the flowers, cash check and the best catalogue in the

United States, cost of packing and postage, 35 cents.

J. ROSCOE FULLER & CO., Floral Park, N.Y.

40 BEAUTIFUL FLOWERS FREE

20 PACKETS SEED

1 pck. Baby Rose (Japanese)

1 pck. Sweet Pea (Giant)

1 pck. Verbena special mixed

1 pck. Cup and Saucer

1 pck. Orchid or Fringed Flwr

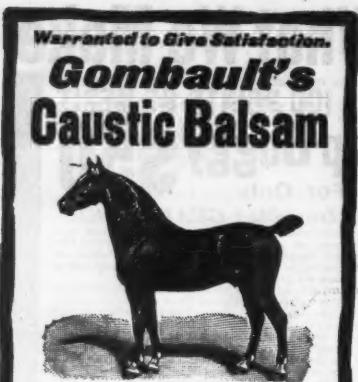
1 pck. Flowering Sage

1 pck. Hardy Gar'dn Heliotrope

1 pck. Blue Bells

20 Bulbs 1 Spar. Freesia 1 W. Flower,

Ranunculus, 2 Hyacinths, 1 Madeira, 1 Sham-

**Has Imitators But No Competitors.**

A Safe, Speedy and Positive Cure for Curb, Splint, Sweeny, Capped Hock, Strained Tendons, Founder, Wind Puffs, and all lameness from Spavin, Ringbone and other bony tumors. Cures all skin diseases or Parasites, Thrush, Diphtheria. Removes all Bunches from Horses or Cattle.

As a Human Remedy for Rheumatism, Sprains, Sore Throat, etc., it is Invaluable. Every bottle of Caustic Balsam sold is Warranted to give satisfaction. Price \$1.50 per bottle. Sold by druggists or sent by express. Charge paid, will send full directions for its use. If you want descriptive circulars, testimonials, etc. Address

The Lawrence-Williams Co., Cleveland, O.

**A HEALTHY FAMILY CONTINUED.**

Second Sk. I used to know a family strictly in contrast with the one you have described which was always having someone sick in the house. A physician was always continually employed looking after the sick ones of this family. Although these people were in straitened circumstances, they were compelled each year to pay out several hundred dollars for doctors' bills. In addition to this they were constantly buying patent medicines. They had with them a little fellow by the name of Fred who was a sort of adopted son. This boy was once sent to the village, a mile or two away, on an errand and when he arrived at the store he had forgotten what it was he was sent to purchase. After racking his troubled brains for sometime he hit upon paregoric, for the simple reason that he had been sent for paregoric more often than any other item.

First Sk. What was the diet of this family?

Second Sk. Their table was filled with those things that were desired by various members of the family without regard to their healthfulness. They were great eaters of candies, cakes, pies. Their children were constantly seen with a cookie or friedcake in their hands between meals.

First Sk. Was this naturally a healthy family?

Second Sk. Yes, reasonably so. One cause of so many ailments was that the father and mother did not study hygiene, and did not realize the necessity of care in eating and in the selection of healthful foods. They were thoughtless about other matters which have bearing upon good health.

First Sk. It is surprising what changes can be made in an individual or family by studying the laws of health and applying these in daily life. Take for instance the question of pure air. No animal can have pure blood or enjoy good health and long life that does not take into the lungs a continuous supply of fresh air.

Second Sk. Fresh air is no more important than free consumption of pure water. In old times children were cautioned not to drink too much water, particularly during the heated periods of summer time. Water was thought injurious by many. When people were sick with typhoid or other fevers, and the patient would give a dollar for a mouthful of cool water, it was withheld. Of late years a great change has occurred in medical practice. Now water is freely administered in health and in nearly all diseases. We are urged in health to drink at least a quart or two of water a day, by drinking a glass or two on rising in the morning, another glass in the middle of the forenoon, a glass or two during the afternoon and if possible a glass or two just before retiring at night. Truly the world is growing wiser every day.

First Sk. Dress is an important affair as regards health. Many people do not dress warm enough while many others wear excessively warm clothing, which is debilitating. There was a time when every farmer and many other people wore fur mufflers about their necks. These mufflers destroyed thousands upon thousands of lives. They were excessively warm, causing perspiration. The least exposure after the fur was removed would produce a severe cold.

Second Sk. I know of a man who was made bald headed by wearing an \$18 sealskin cap. This cap was very comfortable during a cold ride in winter, since it could be pulled down over the ears and neck, but the owner was obliged to wear it during visits to stores or warm places, and this would cause perspiration which started the hair to coming out and baldness ensued. A sealskin fur cloak is an attractive garment for a lady, and is not too warm when worn during a sleigh ride, but the trouble is that she wears this garment not only when outdoors in winter but when doing shopping in the hot stores, during which time she is excessively uncomfortable (overwarm) and thus exposes herself to the cold when she again steps outside.

First Sk. Many people do not appreciate the fact that different kinds of food should be eaten during summer from that eaten during winter. The Esquimaux who inhabit regions not far distant from the north pole live almost exclusively on the fats of animals. They can even drink oils without injury, since such substances are needed far north to supply the body with heat. But if these cases, though secondary to the treatment

Esquimaux should consume such quantities of fatty matter in a southern climate they would soon destroy themselves. Our food during the warm months should be light and easily digested. In winter we can eat with impunity more substantial and fatty foods.

Second Sk. Deep breathing does much to induce good health and longevity. Since it is difficult to breath deeply by effort of will when not exercising. It is much better to take long walks, when deep breathing will be forced upon the walker. Not only this but the air taken into the lungs while walking outside is much purer than that taken when confined in houses.

Bad Habits of Horses.

Republished from the Philadelphia "Saturday Evening Post" by permission. Copyrighted 1903 by the Curtis Publishing Co.

Hysteria in Horses.—It not frequently happens that people owning highly-bred horses are puzzled and annoyed by a vice—usually shying or bolting—which is manifested only occasionally. A horse, for instance, is thoroughly accustomed to automobiles and you have driven him on perhaps twenty occasions when he has shown no fear of them. But on the twenty-first he evinces the most extreme terror, shying badly, or perhaps even bolting over the roadside wall. That the fear is genuine is evident to an experienced horseman, and the vice becomes tenfold worse in that we never know when to expect it.

This vice (for which the horse is not to blame) is really an hysterical outbreak, and though the shyer of this class may be held in check at the time by some such device as the controller, we must, in order to effect a real cure, go beyond any mere coercive treatment and look for the cause of the trouble where it really is—in the nervous system. The way in which this nervous disorder operates may be illustrated by a phase in human nature familiar to all.

A boy is afraid of the dark, although he knows his fear is foolish and that there is nothing to hurt him. He goes into a dark cellar twenty or thirty times, always holding his insane fear in check by an effort of his will. But here comes a time when, his nervous mechanism not being in as good order as usual, his fears get the best of him and he makes a mad rush for the door. He knows there is nothing in pursuit, but he has lost his self-control and he is in as abject fear as though menaced by a real danger.

The case of the neurotic shyer is of like kind. The horse has learned that the object he once feared will not hurt him, but the association of ideas is such that a slight effort of his will is necessary, each time he passes it, to hold his fear in check. But on some day when his nerves are a trifle out of order even this slight effort becomes impossible.

I have owned and also treated for others a number of neurotic shyers and bolters, and they were all either thoroughbred or having a large percentage of thorough blood. The trouble is not one that cold-blooded horses are liable to.

This vice is of so peculiar a nature and so many horses are never cured of it—at least during the best years of their lives—that its cure might seem, at first blush, a difficult matter. But once understood, there is no trouble in effecting a cure, and the treatment is extremely simple, consisting only in work—work and plenty of it—accompanied by judicious feeding. I do not mean excessive or unduly hard labor, such as “breaks the heart” of a horse, nor occasional severe journeys followed by a period of rest; but daily, unremitting work in harness or saddle, or even light farmwork, such as plowing old ground, if the horse is large and strong enough. Whatever the work is, let it be done every day—and depend upon it this, with a little more attention to feeding, will effect a perfect and permanent cure.

That the reasonableness of this treatment may be fully understood, let us look for a moment at the nervous system of the highly-bred horse and what purpose it serves. This nervous system—far more highly developed than in the cart-horse—is what gives him his reserve force, his staying power. It is not bone and sinew that keep him going at the end of a hard race, but nervous energy. The common horse gets tired and quits; the thoroughbred also gets tired, but he keeps on.

This wonderful piece of mechanism gets out of order in a horse dawdling in stable or paddock; it has no scope for the function which nature intended. But give the horse plenty to do and his nervous machinery again becomes healthy and run smoothly, with no jerks or kinks.

Of considerable importance in neurotic cases, though secondary to the treatment

I have named, is right feeding. The chemical element that nourishes the nervous system is phosphorus. Therefore, when the nervous system is performing its proper work there is little danger of giving the horse a food too rich in this element; but when the nervous system has no chance to spend its energy, the excess of nerve-food becomes hurtful rather than beneficial. The horse-foods which contain the largest percentage of phosphorus are oats and barley, and that is why these grains put so much life into a horse. Next in order comes Southern corn. Northern corn contains little phosphorus but a large amount of carbon, and hence it is a sleepy food, making a horse fat and lazy.

The knowledge of these facts should be turned into practical account in feeding. In the earlier stages of treatment the neurotic horse should be deprived of a portion of his oats, substituting a proper ration of corn. Usually a slight change in this respect is sufficient to produce the desired result, and in a short time, as treatment progresses, his full ration of oats should be restored. He will need an abundance of life-giving food if given the constant work that his case requires, and it must be remembered that it is upon work that we chiefly depend for a cure. The dieting simply slows up the nerve-machine a little and relieves the strain until the more important treatment begins to have its effect.

In the instructions I have here given for the treatment of different vices I trust that the key will be found for the treatment of others which lack of space prevents my referring to. The main thing in all such cases is to go to work understandingly, always having a clear reason in your mind for everything you do—and then remember that a great deal of patience, perseverance and resolution are necessary to success.

Dr. Shoop's Rheumatic Cure
COSTS NOTHING IF IT FAILS.

Any honest person who suffers from Rheumatism is welcome to this offer. For years I searched everywhere to find a specific for Rheumatism. For nearly 20 years I worked to this end. At last, in Germany, my search was rewarded. I found a costly chemical that did not disappoint me as other Rheumatic prescriptions had disappointed physicians who had dis-

appointed physicians have done. I do not mean that Dr. Shoop's Rheumatic Cure can turn goji joints into flesh again. That is impossible. But it will drive from the blood the poison that causes pain and swelling, and that is the end of Rheumatism. I know this so well that I will furnish for a full month my Rheumatic Cure on trial. I cannot cure all cases within a month. It would be unreasonable to expect that. But most cases will yield within 30 days. This trial treatment will convince you that Dr. Shoop's Rheumatic Cure is a power against Rheumatism—a potent force against disease that is irresistible.

My offer is made to convince you of my faith. My faith is but the outcome of experience—of actual knowledge. I know what it can do. And I know this so well that I will furnish my remedy on trial. Simply write me a postal for my book on Rheumatism. I will then arrange with a druggist in your vicinity so that you can secure six bottles of Dr. Shoop's Rheumatic Cure to make the test. You may take it a full month on trial. If it succeeds the cost to you is \$5.50. If it fails the loss is mine and mine alone. It will be left entirely to you. I mean that exactly. I don't expect a penny from you.

Write me and I will send you the book. Try my remedy for a month. If it fails the loss is mine.

Address, DR. SHOOP, Box 9410, Racine, Wis.
Mind cases not chronic are often cured by one or two bottles. At all druggists.

98¢ Buys \$3.50 Shoes
SEND NO MONEY.

These are high-grade Men's and Women's Shoes at lower prices than ever before heard of. We guarantee them to be more stylish, better fitting, better wearing, than you can buy elsewhere at \$3.50 to \$5. This is the most wonderful shoe offer ever made.

Buy this Men's handsome Blue-hand-sewed soles, half-calf skin, in latest New York Tipped Toe; an extremely stylish, high-grade, durable shoe, equal to shoes that sell in stores everywhere at \$3.50 to \$5; sizes 6 to 11, widths D, E, E. E. Fit guaranteed.

98 cents buys Guaranteed \$3.50 Patent Leather Shoes for both men and women; also a variety of other good shoes, of which we will send you full description if you write us.

98 cents buys Ladies' hand-sewn, new style elastic instep, lace shoes, made of special vici kid, on the most stylish last, with Patent Leather tip. The elastic instep makes the shoe self-adjusting for a high or low instep, and insures comfort to the wearer: sizes 2½ to 8; widths A to E. Guaranteed equal to shoes selling in stores and from other catalogues at \$3.50 to \$5.

SEND NO MONEY. but if you want a \$3.50 pair of shoes for 98 cents, if you are willing

to examine them if shipped subject to examination and approval before payment, simply say on a postal card "send me order blank." We will also send you description of our New System Big, Free, nearly 1,000 page Catalogue, which will save you dealer's profits on not only shoes but everything used in the home. Highest bank, commercial and customer's references. Address, GLOBE ASSOCIATION, 244 to 257 Wabash Avenue, Chicago.

NEW FIT CURE
COSTS NOTHING TO TRY IT!

Mrs. E. Thompson, Tex., says "We cannot praise your wonderful treatment too highly. You have cured sister sound and well after everything else we had ever tried had completely failed. The doctors all said that she could not be cured, also that she would never be right in her mind because she had apparently injured her, but, thank God, they did not know, for you have completely restored her."

If you suffer from mental weakness of any kind, you should of this wonderful treatment at once. Many of those who have suffered for years without being able to get relief from other physicians are cured by the two weeks trial treatment that the Doctor offers. Write for a trial asking for a sample and thousands where all else has failed, and, no doubt will cure you. Write to-day for free trial treatment and make a test for yourself. Address Dr. Chas. W. Green, 46 Monroe St., Battle Creek, Mich.

A Dollar Ring for 12 CENTS

A SOLID GOLD SHELL SIGNET RING, WARRANTED FOR 12 CENTS.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

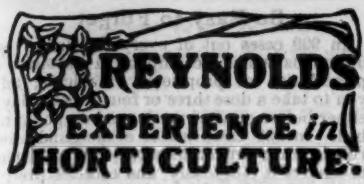
It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring, warranted for 12 cents.

It is a solid gold shell signet ring



NATURE'S SEASON OF REST.

Doubtless many of those engaged in tilling the soil, in this latitude, especially horticulturists, regret the long rest nature takes when, for about six months, from November 1st to May 1st, the growth of vegetation is suspended.

We have just passed through a period of extreme winter weather. About November 18th winter closed in upon us, the ground became frozen, light snow fell almost every day and the earth has not since been released from the grip of King Frost. True, once or twice it rained a few hours, during December, but soon changed to freezing temperatures. The average temperature for the month was 24 degrees, more than 4 degrees less than the average for December for thirty-three years. Early in the morning of January 5th the thermometer at the weather observer's office in Rochester registered 14 degrees below zero, the lowest it is claimed noted, since the office was established at this station. This is perilously near the maximum of cold that the fruit buds of peaches will survive, but outside the city, up the Genesee river, in Livingston, Steuben and Yates counties, temperatures of 20, 30 and 40 below zero are reported. It may be possible that the accuracy of those thermometers is questionable. The prospect for peaches, where such temperatures prevailed, is decidedly discouraging. As the rise in temperature was very gradual, probably peaches between Rochester and Lake Ontario may be spared, but the outlook for a crop in Western New York, generally, is decidedly gloomy.

Perhaps many horticulturists, during those arctic temperatures, felt a longing for those climates where vegetable growth continues the year round, where, when one crop is matured and gathered, the ground may be fitted and planted with another, where nature claims no rest and winter does not consume all that summer produces. But, is such a climate altogether desirable? Where one crop of peas, beans, potatoes, cabbage and other species of vegetables, strawberries, raspberries, grapes and the large fruits, has been harvested, you should immediately go to work to manure, plow, cultivate and plant other crops. Would not the vocation become a little monotonous and wearisome after a while? It seems to me that our present way is preferable. After the enforced rest and abstention from cultivation of winter we look forward to the renewing of operations in spring and summer, with pleasurable anticipations. It almost seems like beginning a new experience. It seems like an awakening of nature. The birds that had forsaken us for the winter, return and resume their cheering songs and renew their preparations for housekeeping and bearing and rearing their young and new forms of life appear among our domestic animals to add to the interest of rural pursuits and we watch with pleasurable anticipations the opening of the first leaf and fruit buds and the germination and growth of the seeds which we have planted. True, the numerous species of destructive fungi and insects soon appear to thwart our efforts, but their numbers are greatly reduced by the frosts of the winter through which they have passed.

But to add to the pleasures of the horticulturist, during the bleak, cold sanson of nature's sleep he should preserve an abundance of the best fruits, grown during the season of activity, for family consumption. It is quite an art to grow fine, sound fruit and it is quite an art to preserve it and ripen it so that it shall be in best condition for eating. I had some very large, fine Angouleme pears on my grounds, last season. I suffered them to hang upon the trees so long as I dared, gathered them in baskets in the cellar until obliged to build a fire in the furnace. I then removed them to a small upper room, not in connection with the furnace, where they could be kept as cold as possible, without danger of freezing. I soon began to assort them, a basket at a time, taking out all that began to show color, removing them to a pantry off the

kitchen. They soon began to color and soften and we began to eat them freely with our meals. They were mellow, very juicy, almost buttery, sweet and delicious. They all finally assumed a golden color, became mellow and we ate the last Thanksgiving day. Following the pears, we indulged in Snow or Fameuse apples, then Jonathan and are now eating the Canada Red, a very good kind. In a few days we expect to commence on the Northern Spy.—P. C. Reynolds.

The Products of New Mexico.

Editor of Green's Fruit Grower:—An old friend and former neighbor, now living in New Mexico, has written me a very interesting letter describing the various resources, magnificent climate, and productive soil of that country, from which it seems that water is all that is needed to make an earthly paradise of it, but only in favored localities is there enough for irrigation.

When our old friend arrived in New Mexico, in 1884, he was told that it was strictly a mining and stock-raising section, and that it never could be much else; that the area which could be irrigated and brought under cultivation was very limited, and even where water was plenty only inferior fruits, always excepting the delicious Mission grape, could be raised. Apples from seedlings raised without care on Mexican ranches were small, dry and tasteless; peaches, pears and plums were insipid. Very soon afterwards, however, intelligent farmers from "the States," who had taken up land along the water courses, were planting improved varieties of fruit, and the results soon became apparent. Since 1880 large and finely flavored apples, peaches, plums, apricots and pears have come from New Mexico, and now Maine and Michigan have to look to their laurels as the champion apple-raising states of the country, as far as quality is concerned.

Not long since our friend visited Mr. and Mrs. Ellis, living in Lincoln, N. M., an elderly couple, who emigrated to the unsettled region of the country during what is known as the "Lincoln County War," when the name of "Billy the Kid" was a terror throughout the land, and in consequence they made but few improvements for several years. In 1882, however, they planted an orchard of 600 apple trees, and 200 more were set out later, and in a few years gratifying returns were realized. At the time of our friend's visit, which occurred in October, their trees were so full of Winesops, Hunter's Favorites and other varieties that the long, slender branches lay on the ground. Of one kind of winter apples 1,500 pounds (fruit and vegetables are not sold by the bushel there) were in one pile, and nearly as many of another kind were in another pile. The earlier fruit had been gathered, and sold at from 5 to 8 cents a pound. Late peaches and pears were still hanging on the trees, and cherries, strawberries, dewberries and blackberries had been produced in their season. There was also a thriving vineyard of Concord grapes, but this variety is hardly tolerated by those who have once eaten the Mission grape, which is the most abundant and the cheapest fruit in the market there, and is grown in perfection at Las Cruces and other points south of Socorro. Alfalfa is cultivated on a large part of the 800 acres comprising Mr. Ellis's ranch. Acequias conducts the water for irrigation from the Rio Bonito to the orchards and farms, but the stream is a small one, and so much of the water is taken out for the alfalfa meadows above Lincoln, that the supply at that point often falls short.

In New Mexico Dame Nature does nothing by halves, and when she does "get on a tear" everybody is glad when it is time for her to subside. The wind storms which fill the air with dust which penetrates every crack and crevice are events to be dreaded, though they do no serious damage. Sometimes for three days the wind rises with the sun and goes down with its setting, only to rise again in the night and blow till near morning. Buildings on one side of a street are then entirely hidden by the clouds of dust. Few houses can be so built as to exclude the dust in these storms, but when, after a few days, the clouds disperse and the bright sunshine again appears, the good people of this country are all ready to snap their fingers in the face of anyone who ventures to assert that the climate of New Mexico is anything short of perfection.—G. B. G.

PLANTING FRUIT SEEDS.—Fruit seeds when allowed to become dry will not grow readily. If you will plant the seeds of apple, peach, plum or cherry at once on removing them from the fruit, before they have become dried, they will grow the following season. The same rule applies to currant, strawberry and other fruit trees.

American apple exports this season are almost two million barrels; the largest quantity ever known, and there seems to be no cessation in the demand. Short crops in England and all over Europe are responsible for the unusual demand. Exporters say that nothing in their advices indicates any reduction in demand, and they are arranging to handle quite as many apples in the next few weeks as they have during the past month. During the last week of December enormous quantities went across. According to statistics compiled by W. M. French, one of the largest apple exporters in the world, the figures were: From New York, 60,945 barrels; Boston, 67,077 barrels; Montreal, 73,092 barrels; Portland, Me., 10,483 barrels and Halifax, N. S., 19,500 barrels. Of this quantity Liverpool took 113,332 barrels; London, 46,448 barrels; Glasgow, 28,109 barrels; Hamburg, 20,562 barrels; Hull, 5,326 barrels; Paris, 653 barrels; Antwerp, 1,161 barrels; Bremen, 316 barrels; Copenhagen, 250 barrels; Bristol, 6,877 barrels, and Manchester, 7,768 barrels, a total of 231,097 barrels, the largest week's business in the history of the export trade.

What women sigh for is long life without old age.

It is natural for a cannibal to love his fellow man.

The Horn of Plenty awaits every Farmer



(THE STANDARD AMMONIATE)

In the Orchard or for Small Fruits, for Grain, Grass, or Vegetables, results are certain. 100 pounds per acre, used as a Top Dressing for a growing crop, with or without the use of other fertilizers, will yield results that will be to the farmer like Finding Money. Send name and complete address on Post Card for my new Bulletin, "Food for Farmers."

I have nothing to sell; no catalogues. I am simply publishing information of Experiment Station Results from the use of Nitrate of Soda, and giving it free.

WILLIAM S. MYERS, Director,

12-16 John St., New York.

Please mention Green's Fruit Grower.

Let us start you in a business that will make you wealthy. To those who are honest and willing to work. Address with stamp. SMITH & MOORE, Lock Box 8, Erie, Ill.

Dr. Coffee Restores Sight to the Blind and Hearing to the Deaf at their homes

THIS
80 PAGE
BOOK ON
EYE DISEASES
SENT FREE
TO ALL

to the Blind and
Hearing to the
Deaf at their homes

THIS
64 PAGE
BOOK ON
DEAFNESS
SENT FREE
TO ALL

with his wonderful Absorption Treatment of mild medicines that anyone can use. One of these books and his opinion of your case FREE.

Write for Eye Book today. It explains how to cure yourself of Cataracts, Granulated Lids, Wild Hairs, Glaucoma, Ulcers, Scars, Inflammation, Sore Eyes, Growths, Spots, Falling Vision, and all weakness of eyes. A valuable household book.

Deaf Book explains all about ear diseases and Deafness. Tells how you can cure yourself at home by Dr. Coffee's wonderful, but simple method and restore your hearing perfectly. Anyone can use it. Cures Head Noises, Inflammation, Discharge in Ears and all forms of deafness. These books contain rules of health, tell how to diet, take physical exercise, when and how to bathe, etc. Every person can have a copy of either of these books free by writing and specifying which book.

Thousands of Wonderful Cures—Read About Them:



Mrs. M. A. Roberts, Windsor Station, Va., says, "I was totally blind in one eye with cataracts, and almost so in the other. Doctors said operation was the only hope. I heard of Dr. Coffee and used his treatment one month and got perfect sight. I am seventy-three years old."



Mr. M. B. Powles, Jackson, Mich., says, "I had a growth on my eye. Went to a doctor and he cut it off. It grew back, was cut off three times and grew back again. I wrote to Dr. Coffee; his treatment absorbed the growth in 4 weeks and sight is now perfect."



Mrs. Lulu Tait of Emmetsburg, Iowa, was totally blind from inflammation of the eyes, ulcers and granulated lids. Four surgical operations were failures. Doctors said there was no hope. But Dr. Coffee's Absorption Treatment gave perfect sight.



Mrs. Millie A. Greenman, Garvin, Minn., says, "I was blind from ulcer, inflammation and growths over my eyes. Inflammation went to one eye and made me deaf. Doctors at home failed to help me, but Dr. Coffee's treatment restored sight and hearing."



Mrs. Sadie Atherton, Des Moines, Iowa, says, "My niece, Nada Parker, was so blind she had to be led and so deaf we had to yell in her ears. Doctors said the case was hopeless. Dr. Coffee's Absorption Treatment restored sight and hearing." Dr. Coffee's treatment is a God send to children.



Mrs. T. J. Blackburn, 1707 Des Moines St., Des Moines, Iowa, says, "Ulcers, granulated lids, scums and inflammation of the eyes made me totally blind. 36 doctors treated me and said there was no hope left. Dr. Coffee restored perfect sight with mild medicines."



H. C. Laub, Dennison, Iowa, was blind in right eye for 31 years with cataract and would not submit to operation, because his mother was made blind by an operation for cataracts. Dr. Coffee's mild treatment restored sight in one month.



H. G. Green, Salem, Ohio, was growing blind from paralysis of the optic nerve. Doctors failed to stop the disease. Dr. Coffee's Absorption Treatment restored perfect sight." Optic nerve paralysis is certain blindness if not treated in time.

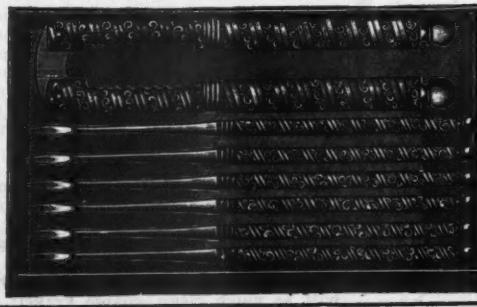
Write Doctor Coffee today. He is the originator of the Absorption Treatment for eye and ear diseases and is the greatest living authority. If you tell him about your case when you write for either book, he will give you his written professional opinion and will not charge you anything. Address

DR. W. O. COFFEE,

861 Good Block, Des Moines, Iowa

NICKEL PLATED NUT PICK SET

GIVEN FREE TO OUR SUBSCRIBERS



This is both a useful and an elegant premium. The set consists of a handsome and strong nut crack and six nut picks, all enclosed in a neat box, as shown in the illustration. Both the nut crack and the nut picks are

NICKEL-PLATED
The material used in the manufacture of both of these articles is the finest steel. The handles of the nut picks are made in a pretty design, while the points are highly polished. The nut crack is of a design corresponding to the nut picks and is made for good strong service.

This complete set given to all who send us 50c. for our paper one year and 10c. additional if they claim this premium when subscribing. Send 60c. for paper and complete set. Sent prepaid.

Address,
Green's Fruit Grower,
ROCHESTER, N. Y.

Lamp-chimneys that break are not

MACBETH'S.

If you use a wrong chimney, you lose a good deal of both light and comfort, and waste a dollar or two a year a lamp on chimneys.

Do you want the Index? Write me.

MACBETH, Pittsburgh.

SEEDS \$3.75 worth to Test Free to Everybody.

I want 1,000,000 people to have a Free Trial of my Superior Seeds, knowing that one trial will make permanent customers.

12 pks Grand Vegetable Seeds Free

The cream of everything valuable. The best varieties possible to grow in any garden. 12 full packets, worth \$1.00, as follows:

Beet, Deepset Red Turnip, Onions, N. Y. Yellow Globe, Cabbage, White Headed, Radish, White Root, Celery, Winter Giant, Radish, Early Robin, Carrot, Perfected Half Long, Tomatoes, Earliest in World, Lettuce, Morning Hustler, Turnip, World's Fair, Mustard, Luscious Gem, Herbs, all sorts mixed.

20 packets Rare Flower Seeds Free

Will grow the finest flowers in America. Their beauty will be the admiration of your neighborhood.

Aster, Double Mixed, Petunia, Royal Show, Celosia, Double Phoenix, Tomato, Yellow, Cosmos, Early Dawn, Pink, Bell's Star, Mixed, Eschscholtzia Calif. Hybrid, Verbena, Giant Fordhook, Nicotiana, Golden Rocket, Mixed, 400 choice sorts.

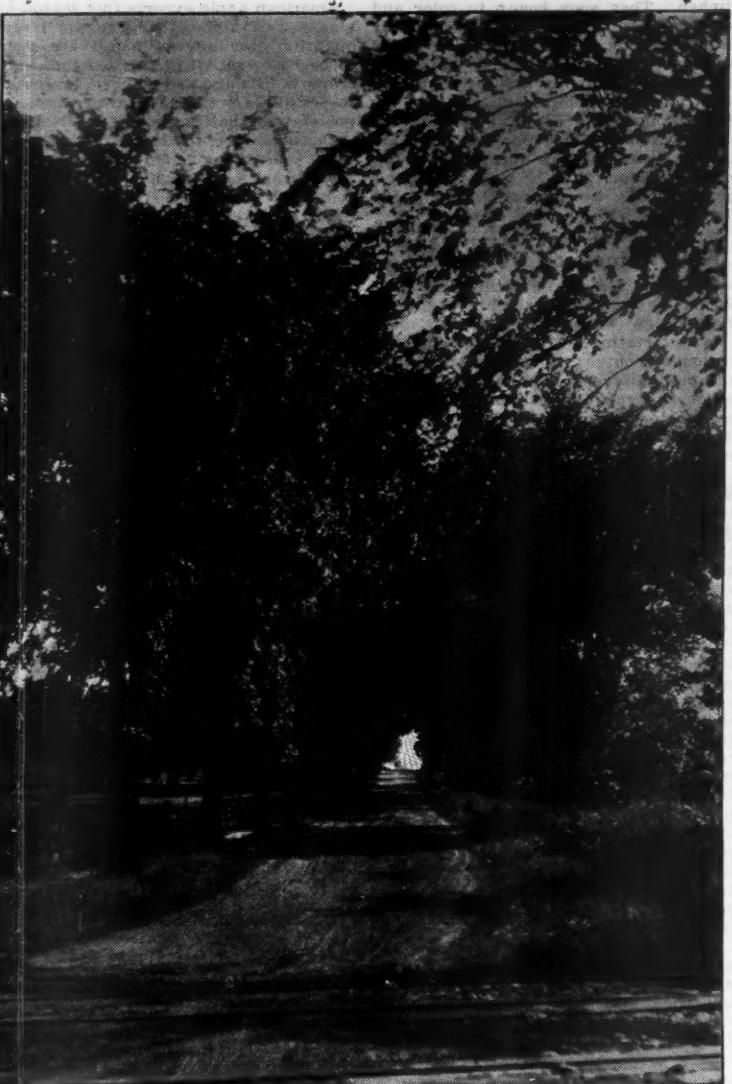
Above and 10 other grand sorts. Worth \$2.00.

Collection of Giant Sweet Peas Free

1 oz. Sweet Peas, Mix'd, 1 oz. New Cupids, Mix'd, 1 oz. Eckford's Royal, 1 oz. Purple, 1 oz. Blue, 1 oz. New Double, Mix'd.

Above collection of Magnificent Sweet Peas will make a long row. Well worth 75 cents.

My PLAN is to give the above seeds (41 packets and ones) as a Free Trial to all who have a garden, knowing that they will always buy my seed hereafter. To prevent people getting what we do not have for the seeds, I ask all to show this notice to their neighbors. I will send a guarantee of Good Faith, and I will promptly mail you all the above 41 packages, which are well worth \$2.75, and enclose a 35 cent check which you can return at any time with your order and get 25 cts. worth of seed, your selection from our catalogues. The above trial Lots are Absolutely Free. Any one of the lots above 10 cts. and a 10 cent check enclosed. Catalogue free. Address Morris: "Everything from Grower to Planter at Wholesale Prices." J. J. BELL, Deposit, N.Y.



The beauty of trees along the roadside is shown in the above photo-engraving. When a boy our editor spent many days in digging trees from the forest, which he planted along the roadsides bordering the home-stead farm. The trunks of those trees are now as large as a man's body and the trees are objects of beauty. There are no finer trees for roadside planting than the American Elm, one of the finest trees in the world.

Dependency.—No man liveth to himself. We are like trees in a forest struck by some great tempest, broken, bent, twisted, interlocked, bearing down or borne up by one another.—Rev. R. Mackenzie, Presbyterian, New York city.

Unbelief.—There is but one thing that can keep us out of the peace with God, and that is unbelief. If we only lived up to privileges of our belief, we would be more at peace in this world.—Rev. C. E. Snow, Baptist, Brooklyn, N. Y.

Dishonesty.—Some men think 'hat the conditions of business are such as to prevent a man living a Christian life. This is a great mistake, and it is a wonder that any dishonest man can succeed in business at all.—Rev. S. M. Dick, Methodist, Worcester, Mass.

Woman.—The spiritual quality in woman's nature causes her to tower above all of God's creations. She is the leader of man along the pathway of life, his guide and inspiration. If she does not help him to better things through good influences, it is in her power to drag him down to the lowest degradation of civilization. The first woman was tempted by the serpent, not because she was weaker than man, but because she was so much stronger.—Rev. J. E. Smith, Methodist, Washington, D. C.

Pride.—Humility is the first step to promotion in the kingdom of grace. "He that humbleth himself shall be exalted." We are God's stewards; therefore, we are to avoid wilful extravagance, undue boasting and pride in word and deed, which excludes God and discounts sacred things.—Rev. George Adams, Methodist, Brooklyn, N. Y.

Fried Chicken.—If not very sure of being a young chicken, cut in small pieces and boil until almost tender. Dip pieces in egg, then in rolled cracker crumbs and fry a delicate brown, turning frequently to have both sides cooked evenly. Sprinkle salt and pepper and keep covered while cooking. Garnish with parsley.

A Cheap Filter.—The poorest family that lives may have a filter by taking a common five-cent flowerpot earthenware, putting in the hole a piece of thoroughly cleaned sponge; over that a couple of inches of sand; over that again about half as much clean, coarse gravel; and

then the water, slowly filtering through, must needs have been very bad at the start not be very pure at the end.—"Harper's Bazar."

Southern Corn Cake.—Pour boiling water over one pint of cornmeal to make a stiff batter. Beat until very smooth, add half a teaspoonful of salt and two well-beaten eggs and fry slowly on a thick griddle till very brown, in cakes the size of muffins. A couple of tablespoonsfuls of milk will hasten the browning process.

The worst thing about the way women dress is the way their knees chap in winter.

Either you cuss the furnace because it won't burn or because it will and burns too much coal.

Marten—I hear you have left your home and family and become a hermit. **Skunk**—Yes, I had to. My eldest boy took to cigarettes and would smoke 'em in the house.—Boston Transcript.

A Florida Crop.—Bill Brown's caravan of ox teams arrived on schedule time from the store in the Everglades last Friday, bringing in one of the largest lots of hides ever brought to Fort Myers at one time, including 889 alligator hides, some otter and coon skins. At this rate the Seminoles will clean out the 'gators in the Everglades in a few years.

Women seldom use religion as a cloak; it isn't fashionable enough.

If a play has a short run it usually means a long walk for the players.

Sometimes it is difficult to distinguish between contentment and laziness.

Some men trust to luck in this world, and some others are lucky to get trusted.

It's useless for some women to deny that they married for money after you see their husbands.

It isn't the shortcomings of a young man that the girl's father objects to; it's his long stayings.

No true novelist allows his hero to patronize an elevator if the building is equipped with a fire-escape.—Chicago News.

To remove pastry suddenly from a hot oven to a cold pantry will inevitably make it heavy. It should be cooled off gradually in a warm room.

So Easy to Forget

In 999 cases out of every thousand, the directions which accompany a physician's prescription or proprietary medicine, tell you to take a dose three or four times a day, either before or after meals, and on going to bed. In 999 cases out of a thousand, this rule is never strictly followed. You start in to observe it religiously, and succeed pretty well at first, but soon you'll begin to skip doses, then the medicine fails in its intended effect. It's so easy to forget.

If the remedy is in liquid form, the business man loses a dose in the middle of the day unless some thoughtful wife, mother or sister gives him a spoon and makes him take an extra bottle to the office. Most men hate to do this. If the medicine is in tablet form, the chances are he will never think of it until he reaches for car fare on his way home. It's so easy to forget. This applies to men and women alike.

The proprietors of Vernal Palmettona (formerly known as Vernal Saw Palmetto Berry Wine) had sense and foresight enough to make their remedy so that only one dose a day is necessary. It is easy to remember to take it after the last meal or on going to bed. It stands in a glass by itself. If you are pestered with indigestion, constipation, liver trouble, bowel trouble or any skin affliction resulting from bad blood, Vernal Palmettona is what you need. Try it at our expense. Write for free sample bottle. It will do you good. Address Vernal Remedy Co., 418 Seneca Building, Buffalo, N. Y. Sold at all druggists.

Rheumatism

Dr. Jebb, the successful Rheumatic Specialist, has cured thousands of Rheumatics after other physicians had failed.

TRIAL FREE

Mrs. Clementine Winslow, of Dayton, Ohio, had rheumatism so badly that she was compelled to walk on crutches. Dr. Jebb cured her. She now walks without a cane, and does her housework.

Dr. Jebb finds that no two cases of rheumatism are alike, and prescribes especially for each patient. Send an honest letter, telling the history of your case and the exact symptoms; we will prepare a special treatment and send it to you free of all cost. This is a trial treatment. Dr. Jebb can cure you.

Rheumatism affects the stomach, bowels, kidneys, blood, and heart, and Dr. Jebb prescribes remedies which act directly on these organs, placing each one in a natural, healthy condition, and thoroughly drives every particle of uric acid from the blood and system. This wonderful healing treatment of each case has enabled Dr. Jebb to cure thousands upon thousands of rheumatics; out of bedridden invalids, making strong, healthy men and women giving him the title of the foremost rheumatism doctor in the world. Don't suffer longer; write at once, stating your symptoms plainly. We will prescribe for your individual case, and send you a trial treatment postpaid free. Address the Jebb Remedy Co., Liddell, 15 Kingman Block, Battle Creek, Mich.

A WIFE'S MESSAGE

Cured Her Husband of Drinking.

Write Her Today and She Will Gladly Tell You How She Did It.

My husband was a hard drinker for over 20 years and had tried in every way to stop but could not do so. I at last cured him by a simple home remedy which any one can give secretly. I want every one who has drunkenness in their homes to know of this and if they are sincere in their desire to cure this disease and will write to me, I will tell them just what the remedy is. My address is Mrs. Margaret Anderson, Box 421, Hillburn, N. Y. I am sincere in this offer. I have sent this valuable information to thousands and will gladly send it to you if you will but write to me to-day. As I have nothing whatever to sell, I want no money.

Canning Business information for a two-cent stamp. C. G. WARFORD, Newburgh, N. Y.

TRY a WATER DOCTOR

And get Well, Strong and Vigorous. If you will send me a sample of your morning urine I will tell you if it is diabetic or not. If it is not, you can be cured at home at a very small cost. I treat both sexes. Send four cents for mailing case and bottle for urine. Address J. F. SHAFFER, M.D., Water Doctor, 213 Penn Ave., Pittsburgh, Pa.

Darken Your Gray Hair

BUD'S OZARK HERBS restores gray, streaked or faded hair to its natural color, beauty and strength. It removes the hair from the scalp, promotes its growth, cures and prevents dandruff, and gives the hair a soft, glossy and healthy appearance. IT WILL NOT STAIN THE SCALP, is not sticky or dirty, contains no sugar or lead, nitrate of silver, copperas, or poisons of any kind, but a compound of roots, leaves, bark, flowers, stems, roots, leaves, etc. MAKES ONE PINT. It will produce the most luxuriant tresses from dry, coarse and wiry hair, and bring back the color it originally was before it turned gray. Full size package sent by mail, postpaid, for 25 cents. OZARK HERB CO., Block 31, St. Louis, Mo. Please mention Green's Fruit Grower.

FERRY'S SEEDS MEET ALL NEEDS

Experience has established it as a fact. Sold by all dealers. You sow—they grow. 1904 Seed Annual postpaid free to all applicants.

D. M. FERRY & CO.
DETROIT, MICH.

"Once Grown Always Grown"
The Maule motto for more than 25 years. My new
SEED BOOK for 1904
Cost over \$50,000 to publish. If you have a garden you can have a copy for the asking. Send a postal for it to Wm. Henry Maule, Philadelphia, Pa.

43 FLOWERS 30¢

Worth \$1.25
SPECIAL OFFER to introduce our goods. Money back if not pleased.

20 Pkts.

- 1 Pkt. Diamond Flower.
- 1 Pkt. Semple Aster, 4 cts.
- 1 Pkt. California Sweet Pea.
- 1 Pkt. White Chinese Primrose.
- 1 Pkt. Phlox Drummondii.
- 1 Pkt. Bouquet Chrysanthemum.
- 1 Pkt. Carnation, 10 cts.
- 1 Pkt. Sweet Pea, Hybrid.
- 1 Pkt. Poppy, "Dwarf," 10 cts.
- 1 Pkt. Foxglove, 10 cts. mxd.
- 1 Pkt. Loveliest Victorian.
- 1 Pkt. Calif. Golden Bells.
- 1 Pkt. Buttercup.
- 1 Pkt. Alyssum Little Gem, mxd.

23 BULBS

- 1 New Begonia "Splendens," Summer Flowering Hyacinth, 1 Double Peacock, 10 cts. 8 Daffodils, 10 cts. 8 Fuchsias, 10 cts. 8 Oxalis, 9 "Fair Maid of France," 2 Hardy Wind Flowers, 9 Lovely Cinnamom Vines, 1 Return Check for 25¢, on first \$1.00 order; also our New Flower Guide, telling all about Roses and 400 other choice flowers. All above postpaid, only 30¢.

THE CONARD & JONES CO.
"Growers of the Best Roses in America,"
Box 8, West Grove, Pa.

NEVER CUT A CORN
It is dangerous. Our plaster will give safe and instant relief. Mailed direct. Five for a dime, fifteen for a quarter. Not sold by dealers. SIMPLEX CORN CURE, 1923 Walnut St., Philadelphia

The Fellow Who Whistles.

The fellow who can whistle when the world is going wrong
Is the fellow who will make the most of life;
No matter what may happen, you will find him brave and strong—
He's the fellow who will conquer in the strife.

The fellow who can whistle when the whole world seems to frown
Is the kind of man to stand the battle's brunt;
He's got the proper metal, and you cannot keep him down,
For he's just the sort that's needed at the front.

The fellow who can whistle is the fellow who can work.
With a note of cheer to vanquish plodding care;
His soul is filled with music, and no evil shadows lurk
In his active grain to foster grim despair.—Sidney Warren Mase, in December "Lipincott's."

Chung-Kung asked Confucius about perfect virtue. The master said: "It is, when you go abroad, to behave to every one as if you were receiving a great guest; to employ the people as if you were assisting at a great sacrifice; not to do to others as you would not wish done to yourself; to have no murmuring against you in the country, and none in the family." Chung-Kung said: "Though I am deficient in intelligence and vigor, I will make it my business to practice this lesson."

Cheerfulness is not always spontaneous; it is greatly a matter of habit and bears cultivation. One who can contrive to bear a smiling face through a world where there are so many troubled hearts may unconsciously be a public benefactor.—Miss Wells.

Wisdom is the principal thing; therefore get wisdom; and with all thy getting get understanding.—Proverbs.

We are never so happy or so unhappy as we suppose.—Rochefoucauld.

The secret of success is constancy of purpose.—Lord Beaconsfield.

We are firm believers in the maxim, that, for all right judgment of any man or anything, it is useful, nay, essential, to see his good qualities before pronouncing on his bad.—Thomas Carlyle.

The best of prophets of the future is the past.—Lord Byron.

The God who gave us life gave us liberty at the same time.—Thomas Jefferson.

"Sad hearted, be at peace; the snowdrop lies
Buried in sepulchre of ghastly snow;
But spring is floating up the Southern skies,
And darkling the pale snowdrop waits below."

Let me persuade: in dull December's day
We scarce believe there is a month of June;
But up the stairs of April and of May
The hot sun climbed to the summer's noon."

Cold Storage of Apples.—He recommended that apples be allowed to come to full maturity on the trees, and when they get their color, yet when still hard, they should be picked and rushed to storage at once. A short delay in getting the fruit into storage is often disastrous. If fruit cannot be stored immediately allow it to remain on the tree, for in the same temperature fruit will ripen more rapidly off the tree than it will on the tree. Some fruit and peaches can be stored temporarily, but the practice should not be encouraged, except, perhaps, to keep fruit off a glutted market for a day or two. Secretary Goodman, in his report, stated that Missouri now has about 2,000 jars of fruit put up for the World's fair exhibit and about 1,000 barrels of winter apples are now in cold storage, awaiting the opening of the exposition. The work is well organized and it is expected that the fruit exhibit will be maintained throughout the entire exposition.

George H. Martin, supervisor of Boston public schools, says: "Necessity does its work haltingly. Duty does its work resolutely. Interest does its work eagerly. Necessity does its work skimpily. Duty does its work honestly. Interest does its work generously."

ANOTHER LIBERAL OFFER:

HOUSEKEEPER, POULTRY KEEPER, VICK'S MAGAZINE, FARM JOURNAL, GREEN'S FRUIT GROWER.

All five papers one year, \$1.25. Publish- er's price, \$2.00. Address, Green's Fruit Grower, Rochester, N.Y.

\$1,000 IN GOLD DOLLARS FREE.

CAN YOU SOLVE THIS PUZZLE?

Each one of the three lines of figures IN THE CENTRE OF THIS ADVERTISEMENT spells the name of a great city in the United States. This is a brand new puzzle and can be solved with a little study as follows: There are twenty-six letters in the alphabet, and we have used figures in place of the ciphers instead of letters. The numbers are numbered 1, 2, 3, 4, 5, 6, etc., throughout the entire alphabet. YOU CAN SPELL OUT THESE THREE CITIES YOU MAY SHARE IN THE DISTRIBUTION OF \$1,000.00 WHICH WE ARE GIVING AWAY for getting subscriptions for us. This you can do by giving up a little of your spare time. This and other most liberal offers are made to introduce one of the very best New York magazines into every home in the United States and Canada. WE DO NOT WANT ONE CENT OF YOUR MONEY. When you have made out the names of these three cities, write them plainly on a postcard and send it to us, and you will hear from us promptly BY RETURN MAIL. It may take an entire evening to solve the three names, but STICK TO IT AND GET YOUR SHARE OF THE \$1,000. A copy of our fascinating MAGAZINE WILL BE SENT FREE to every one answering this advertisement. Do not delay. Send in your answer immediately. TRY AND WIN! TRY AND WIN! SUCCESSION OF MONEY IN THE FUTURE, just as we have done in the past, to advertise our CHARMING MAGAZINE. We find it is the very best advertising we can get to give away LARGE SUMS OF GOLD FREE. Here are the names and addresses of a few people we have recently awarded FREE GOLD PRIZES. Mrs. M. Lachlin, Twenty-third Street, Newburgh, N.Y., \$100.00; W. P. Ackerman, Hill, N.H., \$100.00; Mrs. Fred Peace, 145 Atkinson Street, Rochester, N.Y., \$100.00; Mr. George Corbett, Five Islands, Nova Scotia, Canada, \$100.00; Mr. E. C. Wilson, 140 West Avenue, Columbus, O., \$1,000.00 (this includes the \$100.00 Cabinet Grand Upright Piano); W. Kettle, 2706 Carson Street, Pittsburgh, Pa., \$100.00; Miss Martha Gregory, 3 Park Street, Norwalk, Conn., \$100.00; Mr. John Jones, Box 1, Lake City, Fla., \$100.00. We could go on and point to hundreds of names of people who have gained large sums of money from our contests, but only give a few names, as we desire the space to tell you all about OUR GREAT FREE GOLD FREE OFFER. The above solution can be worked out by an alert and clever person, and the reward is so handsome that it will amply pay you to TRY AND WIN! OUT THESE THREE CITIES. Brains and energy nowadays are winning many golden prizes. Study it very carefully and let us see if you are clever and smart enough to spell out the Three Cities. WE HAVE THE \$1,000.00 IN GOLD. Have you the brains and energy? If you can make out the names of the three cities, send them to us without one cent of money. Remember that this is our \$1,000.00 in Gold Free Distribution, and we do not want you to send any money when we say, "TRY AND WIN!" We would rather have people take this way of advertising our excellent magazine than spending many thousands of dollars in other foolish ways. We freely and cheerfully give the money away. YOU MAY WIN. We do not care who gets the money. TO PLEASE OUR READERS IS OUR DELIGHT. The question is, can you solve the above unique proposition? If you can do so, write the names of the three cities and your full address plainly in ink and mail it to us, and you will hear from us promptly by return mail. Money is the best gift we can have, but there are so many useful uses we can put it to. By a little extra effort someone will get the money we give away. Some lazy and foolish people often neglect these grand golden free offers we make and then wonder and complain about their bad luck. There are always plenty

of good opportunities for clever, brainy people who are always alert and ready to grasp a real good thing. We have built up our enormous business by being alert and liberal in our GRAND GOLD FREE DISTRIBUTIONS.

We are continually offering our readers BARE AND UNUSUAL prizes. In this special contest we consider one of the greatest offers ever made. Do not delay in giving this master your immediate attention, and if you can spell out the three cities send your answer at once. \$1,000.00 REWARD will be paid to any one who can prove that in the many Free Cash Contests we have conducted in the past years we did not do exactly as we agreed. We have a big capital and anyone can easily ascertain about our financial condition. To us, our big cash contests is a pleasure to us. We intend to have the largest circulation of our high-class one-dollar magazine in the world. In this progressive age publishers find that they must be liberal in giving away prizes of great sums of money. It is the only successful way to get your magazine talked about. For instance, if you should solve the peculiar way we have of spelling the names of the three cities, and we should hand you a sum of money as a free prize, you would be very pleased. Do not our money offers sound good to you? WE POSITIVELY CLAIM that these three lines of figures, by our plan, do actually spell the names of three cities, and that a clever, brainy person, who can think and will patiently endeavor to solve how it is done, will be amply rewarded by sharing in our \$1,000.00 in Gold Free Offer. Of course, if you are too occupied and are not patient and are not willing to spend any time in trying to work out the solution, you certainly cannot expect to win. This advertisement was not written for such people. If you are not willing to give a liberal use of time of their time. We expect the reader to do some work and give it the time and attention it deserves. USE YOUR BRAINS. If you are successful in solving it, will and good. Write the names of the three cities and send them to us, and we will be just as much pleased as you are. We really desire some one to be successful, and as it does not cost you one cent to solve and answer this splendid Free Money Offer, it will be very foolish for you to pass it by. In all fairness give it some of your leisure time. SUCCESS IS FOR ENERGETIC AND THOUGHTFUL PEOPLE and the cause of FAILURE IS FOR IDLE AND LAZINESS. So, dear reader, do not pass this

advertisement without trying hard to make A SOLUTION OF THE THREE LINES OF FIGURES PRINTED IN THE CENTRE OF THIS ADVERTISEMENT. We suggest that you carefully read this offer several times before giving up the idea of solving the puzzle. The harder it seems the more patience and determination you should have. The value of the PRIZES OF LIFE. Your share in OUR FREE MONEY DISTRIBUTION depends entirely upon your own energy and brains. Don't delay a moment in TRYING TO SOLVE THIS PERPLEXING PUZZLE. Many of the people we have recently sent large sums of money to in our Free Money Distribution write us kind and grateful letters, profusely thanking us for our prompt and honest replies, and saying that if we had not so strongly urged them to try to win they would not have been successful and could not have been the happy recipients of a large sum of money for a few hours' effort. It always pays to give attention to our grand and liberal offers. OUR BIG CASH PRIZES have gladdened the hearts of many persons who needed the money. If you need money you will give attention to this special offer this very minute. If you solve it, write us immediately. DON'T DELAY.

ADDRESS:
THE ROBINSON PUBLISHING COMPANY,
24 NORTH WILLIAM STREET, NEW YORK CITY.

How He Uses English.

English is put to strange and eloquent uses in the Orient. Here, for instance, is a letter addressed to a native gentleman by a youth seeking the hand of his daughter:

"To Baboo —, paternal father of Miss —. Dear Sir: It is with a faltering penmanship that I write to have communication with you about the prospective condition of your damsel offspring. For some remote time to past a secret passion has fired my bosom internally with loving for your daughter. I have navigated every channel in the magnitude of my extensive jurisdiction to cruelly smother the growing love-knot that is being constructed in my within-side, but the humid lamp of affection trimmed by cupid's productive hand still nourishes my love-sickened heart. Needless would it be for me to numerically extemporize the great conflagration that has been generated in my head and heart. Hoping that having debated this proposition to your pregnant mind, you will concordantly corroborate in espousing your female progeny to my tender bosom and thereby acquire me into your family circle. Your dutiful son-in-law."—"Harper's Weekly."

Sea of Azof Is Being Dried Up.—The sea of Azof is disappearing and remarkable scenes are in course of enactment. At Taganrog the waters have receded to such an extent during the past five days that the bed of the sea is visible for a distance of several versts (a verst is 3,500 feet). High winds hurled clouds of sand shoreward covering the town. Vessels are lying high and dry and the greatest confusion prevails in the harbor. Work in the factories has had to be reduced to a minimum owing to lack of water.

"Well, anyway," he said during their little spat, "when I proposed to you you took me promptly enough."

"Yes," she replied, "I was only a woman, and you did look so cheap."—Philadelphia Ledger.

There are about 200,000 stars between the first and ninth magnitude, the number at each lesser magnitude being about three times that of the next higher. Now, if this rate of increase were continued down to the seventeenth magnitude, there would be about 1,400,000,000 visible. In the best modern telescopes, telescopic observation and photographic charts show nothing approaching this number. The latest estimate does not exceed one hundred million. As the instruments reach further and further into space they find continuous diminution in the number of stars, thus indicating an approach to the outer limits of the stellar universe.

The largest mule on earth, a three-year-old jinnet, belongs to Michael Murray of Hereford, Mo. She is eighteen hands, or six feet high at the shoulders and weighs 1,705 pounds.

When Henry Marr of Columbus, Ind., goes to his barn lot and steps upon a neatly carved slab bearing the inscription, "1900," he has 18,650,000 people on all sides of him, for he is the center of population of the whole United States.

A duel on bicycles was recently fought in Paris. The two contestants were placed fifty yards apart and then ordered to charge. They rode at each other at a furious pace, but overshot the mark and failed to meet. Wheeling quickly round, they returned to the charge, and this time came together with terrible shock. Both were thrown, while the seconds, who were following behind, also on bicycles, fell in their turn, and both were injured. Neither of the combatants touched the other with his sword, but in falling one ran his weapon into himself and his opponent injured his leg.

For many of Eve's fairest daughters 'Twere really a vain undertaking, This casting of bread, on the waters So long as the bread's of their baking.

—Philadelphia Ledger.

"A little farm well tilled."

THE GARDEN OF THE GODS.

This is one of the most curious works of nature to be found on this continent. It is midway between Colorado Springs and the village of Manitou, and is well worth a visit. It can be reached best by the

NEW YORK CENTRAL LINES

which, upon inquiry, you will find, will take you to all the great resorts of America.

A copy of "America's Winter Resorts" will be sent free on receipt of a two-cent stamp by George H. Daniels, General Passenger Agent, New York Central & Hudson River Railroad, Grand Central Station, New York.

<p>I pay from \$1 to \$1000 for thousands of rare American and foreign coins, stamps and paper money. Especially wanted, over 120 different issues, dated between 1843-1885 for a great many of which I pay as high as \$100 per coin, for the older rare issues before 1848 I pay much higher prices. A Boston Baker sold recently four coins for \$1800, and 65 coins and medals brought over \$3000. The Journal states that Mr. Castle paid \$400 for a single stamp and the Globe that a Galveston man found a coin worth \$3000. If you are interested in large legitimate profits send two stamps for 4 pages ill. Circular and make a few thousand quietly.</p>	<p>WANTED</p>
<p>W. van Bergen, Scollay Sq., Boston, Mass.</p>	<p>Look for Martz Smith Co.'s buggy advertisement in this paper. It's very attractive and they are making some very low prices. If you want a vehicle of any kind the advertisement will interest you. We guarantee their responsibility.</p>

GREEN'S FRUIT GROWER.

A MONTHLY JOURNAL.

CHARLES A. GREEN, Editor and Publisher.
Prof. H. E. VAN DEMAN, Associate Editor.

J. CLINTON PEET, Business Manager.

Price, 50 Cents per Year, Postage Free.
Office, cor. South and Highland Aves.Rates for advertising space made known
on application.**110,000 Copies Monthly.**Entered at Rochester Post Office as second
class mail matter.

ROCHESTER, N. Y., FEBRUARY, 1904.

EDITORIAL

To live honestly we must work
honestly.We are told to make hay while the
sun shines yet most of the hay is made
by frequent and refreshing showers.We are told that the mill will never
grind with the water that has passed.
No, this mill will not but other mills
further down the stream will.Never buy what you do not need. This
does not apply to the family journal like
Green's Fruit Grower which has done
you good service for over twenty years.The face is not always the mirror of
the soul. There are homely faces that
mirror kind and sympathetic hearts,
there are beautiful faces that mask
hearts of flint and feelings like icicles.Haste does not always make waste.
We must hasten to our buildings when
they catch fire, and hasten to dinner or
feed on cold turkey.Keep your potatoes and other fruits
and vegetables out of the light as far as
possible, in your cellar, and keep them
as cold as possible.Huckleberry plants, or blue berries,
are not offered in nursery catalogues for
the reason that it is difficult to secure
young plants in quantity and that they
are difficult to transplant.Crowded Trees.—I believe in planting
trees closely together in orchards or in
garden rows, but when the trees begin
to crowd each other, or to completely
shade the ground, I would not hesitate
a moment to dig out every other tree.Orchards should be cultivated from
early spring to August first but they
should be so managed that every year
some green crop can be plowed under
to furnish humus and keep the soil loose
and fertilized. In August orchards can
be sown to rye, or some other crop that
can be plowed under the succeeding
spring.Rats are the destructive agents associated
with most poultry houses. Never
build floors in your poultry houses under
which rats can make their nests and
breed, but have an earth floor, or
floor made of cement.Farm Accounts.—You probably did not
keep very accurate accounts of your
farming enterprises last year. Are you
going to keep better accounts the coming
year? Will your accounts at the
end of next year tell how much you have
sold from your farm and what profits
you have received from various crops?
If not how can you tell which crop has
given you the best profit? My opinion
is that you will find that your fruit
has paid you better than any other farm
crop.Place for Farm Tools.—I do not doubt
that one-fourth of all the farm tools, including
wagons and various kinds of machinery
are at this moment outdoors without cover, exposed to rain, snow,
sunshine, wind and frost. As I drive
through the country I see reapers, mowers,
plows, cultivators, horse-rake and
other farm tools thus exposed. No
farmer can afford to waste his tools in
this manner. An expensive building is
not necessary for storing tools. A
rough shed with a rough board roof will
answer the purpose.A Good Orchard.—A friend planted
a large orchard on his farm located
near Green's fruit farm. The orchard

was planted thirty years ago; it has had the reputation of being a good productive orchard. My friend died several years ago and the farm has gone into the hands of a stranger who sold this year \$10,000 worth of apples from this orchard, or nearly enough to pay for the entire farm upon which the orchard stands.

Prospects for Fruit Next Season.—In Western New York the temperature has been as low as fourteen degrees below zero and it is feared that peach buds are injured but it is too early to decide positively. So far as we know other fruits are as promising as usual at this date.

The apple barrel will have to go unless it can be bought at lower prices than it sold for this year. Boxes can be made cheaper than barrels. Apple barrels are a large bill of expense to the man who has a large orchard. Bushel boxes are coming into favor, also boxes of smaller sizes.

Soil for Peaches.—In old times it was supposed that peaches would only grow on sandy soil. The same idea prevails in regard to chestnuts, but I can assure my readers that both peaches and chestnuts will succeed well on any good corn or wheat producing soil. The land must be well drained and must not be heavy clay.

Eating Fruit Is a Habit.—Many American people have not yet formed the habit of eating fruit. When they do form this habit there will be less need of doctors and the use of various medicines will be largely reduced. The acids of apples, peaches, currants, strawberries, raspberries and other fruits seem just what the stomach demands. I cannot advise every one to eat an apple just before going to bed but I do it myself. If thus eaten an apple must be chewed well, if swallowed in lumps it will not digest so easily or quickly. Eat plenty of apple sauce.

Rhubarb and Paeonies can be propagated by digging up old plants and dividing the roots. Each root should have portion of the crown remaining upon it. No farmer should be without rhubarb, the earliest vegetable obtainable from the garden in the spring. The old fashioned paeony has come into favor again as a popular flower which once planted will delight the family and passersby for nearly a life time.

Sun scald does not affect trees in Western New York but much injury is thus done farther south. This may be prevented by slanting the trees to the south when planting them, or by allowing the trees to branch low. Another remedy is to attach a board six inches wide to the south side of the newly planted tree.

Currants and Gooseberries.—These are among the most easily grown of all small fruits and there is no excuse for any one not having a good supply. Currants are considered sour but Red Cross is a sweet currant that can be eaten the same as raspberries or strawberries. Gooseberries like the Industry are often eaten out of hand. No fruit garden should be without them.

Tree Wounds.—Now is the time to prune trees. The work may be continued until they begin to leave out in the spring. Where large branches are cut from trees paint over the stub with ordinary lead and oil paint. This will keep out moisture and prevent decay while the wound is healing.

Gold and Silver.—In early days gold and silver were considered the great implements of wealth. The early explorers who visited this country were after gold and silver. They cared nothing for productive lands. Thus they overlooked greater wealth. We of to-day realize that there are other forms of wealth greater than gold and silver and that the greatest of all forms of wealth is agriculture and agricultural products.

Work for the Blind.—A young man having charge of one of the departments of Green's Fruit Grower was recently threatened with nervous prostration. The doctor prescribed massage treatment. A blind man came daily to rub this patient and knead his body in a way called massage. This blind man seemed to have no difficulty in finding his way to the house of the patient, although it was several miles away and he had to pass through crowded streets of the city. Blind people have a keener sense of touch than others, therefore are more skillful in giving massage treatment.

Individuality Desirable.—The Creator has formed no two leaves alike, nor no

two men alike. Each person is intended to be different from all others. But where men and women are crowded together as they are in cities, the tendency is for them to act and dress alike. And yet even in cities is much individuality. The Bible says, "Let your light shine." This means be yourself, speak your own thoughts, do your own work in your own way, and yet it is assumed that your thoughts will be good thoughts and your ways good ways.

In Love.—We are told now by a philosopher that to be in love shortens life. We knew that hate, envy and desire for revenge shorten life. It is a surprise to us to learn that love shortens life. The good Book tells us to love our neighbor, to love our wives, children and friends, therefore we think it reasonably safe to continue in this course.

Whistle.—We are told that the whistling girl and the crowing hen never come to any good end, but I think this is merely a rhyme and not truth. I advise all men and women to whistle. Whistling is an innocent pastime. More than this, whistling expands the lungs and tends to give one a low, deep breath, the same as playing on the cornet. Whistling tends to enliven the spirits not only of the whistler but all other people within hearing. The husband of a good wife was once sick for several weeks. One day his wife heard him whistling in his distant room upstairs; she bounded to his side with joy feeling that he must be in better health. She told him how much good it did her to hear him whistle. Anything that makes more cheerful improves our digestion, therefore whistling is good for dyspepsia. I am a great whistler. I am continually whistling without being conscious of the fact. I do not select the tunes I whistle, they come to me spontaneously. If I am sad I find myself whistling sad tunes. If I am joyful I find myself whistling joyful tunes. There are people who become so expert in whistling that they can entertain audiences.

A Spinster.—A spinster is one who spins. Not many years ago women spun by hand all the yarn that was made into clothing, thus these women were called spinsters, but now the word is incorrectly used with reference to unmarried women over 25 or 30 years of age.

Earth Worms.—There are few people who appreciate the importance of this humble creature. How utterly insignificant seems to the thoughtless the life of the worm which is spent in a dark chamber of the earth. But were it not for the angleworm the earth would not be able to feed its present large population. These worms are active and industrious, perhaps the most industrious of all creatures. They are constantly burrowing through the soil, swallowing and digesting the soil and many of the roots, etc., which it contains, thus transforming crude and hard soil into friable and friable soil capable of producing large crops. Their burrows permit the air to enter the soil which is helpful to plants. They sometimes burrow to depths of six feet.

The race horse which will trot a mile in two minutes or less will attract a great crowd, but the farm horse, strong of limb and steady in gait is a more valuable animal for all practical purposes. There are few people who would go out of their way to see a plow boy turn wide furrows, but this plow boy is doing more for the good of the country than the manager of the circus, or many who run for the state legislature or for congress. Let us not overlook the value of common things. Hens are common things. We see them everywhere, but consider the revenue in eggs and flesh of poultry of this country, which is not far short of that of corn, wheat, cotton or many other leading agricultural products.

I Like These Things.—My tastes are varied. I am an admirer of fine paintings, statuary, music and good clean dramas. I love good literature; I admire Shakespeare, Tennyson, Dickens, Thackeray, Victor Hugo, Charles Read, George Eliot. I like to hear a good sermon or a good lecture. I am a lover of nature enjoying beautiful sunrises and sunsets, the coming and the departing of storms, the falling of snow, the raging of floods. I love birds, chickens, sheep, cows, horses and in fact all of our domesticated animals. I see much to admire in a fine specimen of mankind or womankind, also in children. I used to suppose that everyone liked all these things but I have learned that they do not. Not everyone enjoys music. Some care but little for art, or literature, etc. We should cultivate a taste for good things. The more of them we appreciate the more we enjoy life.

How Little We Know.—We know little about ourselves and yet Pope says the proper study of mankind is man. We know far less about lower animals and other numerous insects of which mankind absolutely know nothing. New insects in vast numbers are being discovered every year. I can form no conception of the instincts of many insects which enables them to migrate long distances in the direction of their appropriate food, or their faculty of traveling miles to find their mates where their mates have been hidden by scientific investigators. On a still summer evening we may hear in the bushes by the wayside thousands of insects drowsing to one another and yet if we examine the bush we shall find nothing and the next day may imagine the bushes uninhabited when insects are there by the thousand. The whiskers or bristles that protrude from the nose of the cat are an unknown quantity to most people and yet they are of the greatest importance to the cat since they are very sensitive and direct the cat in her midnight search for game such as mice and birds. Birds are guided by the sensitiveness of their bills; the dog, the deer and many other animals are largely attracted by the keen scent of their noses which is almost incomprehensible to man.

Hard Work.—We sometimes hear complaints from young men that farming is hard work. These young men express a desire to get away from the farm so that they may have an easier time. The fact is there is no easy place for any one in this world if he lives the right kind of life. We should not be looking for an easy place. We should look for a position in life, or a calling where our best energies can be exercised to the utmost. How is high speed secured from a race horse? Can it be secured by giving the horse an easy time? No, the horse must be driven daily and urged to do his best. In this way he improves a little day by day until he travels a mile in less than two minutes. If the race horse is allowed to have an easy time he will not be able to make a mile in five minutes. Many people think that ministers, lawyers, doctors or other professional men, including teachers, have an easy time, but this is a mistake. All of these people must work hard if they accomplish anything. There are thousands who think that merchants, bankers and manufacturers make money easy, have lots of leisure and enjoy life much better than the farmer or fruit grower but this is a mistake. No class of men work harder than the heads of large business houses or corporations in cities. The winter season is particularly a season of comparative rest for the farmer and fruit grower. During winter he has time to visit his friends and neighbors, time to read, think and study. No one should leave the farm for the reason that farming is hard work.

Sick Animals.—It is difficult for a man to doctor horses, cows, sheep, pigs, dogs, cats and other animals since their symptoms when suffering from diseases common to men are entirely different from the symptoms in man. It is difficult or impossible for a horse or a cow to vomit. The symptoms of disease in a horse are often indicated by swelling of the hoofs. Doctoring these animals is something like doctoring babes, it is difficult to doctor a babe because the babe cannot tell where it is suffering; the mother may think it is the colic while the real trouble is a pin sticking into its flesh. The dumb and patient cow or horse when sick, cannot explain to you where the pain lies. Two symptoms however, are similar in all animals. If the pulse is very high, or if the temperature is very high or low you may know that the animal is very sick.

Railroad and express companies have much to do with the action of congress. Express companies are opposed to rural mail carriers delivering packages since this would be in competition with them but it is a great convenience for rural people to have packages delivered by rural mail carriers. Express companies and banks oppose the issuing of paper currency in small sums by the government for sending in letters in place of postage stamps, since this would deprive the express companies and banks of a portion of their business, but an issue of postal currency would be of great convenience to a large number of American people who order publications and various kinds of supplies through the mail.

LEADING COMBINATION OFFER.

WOMAN'S HOME COMPANION,
HOUSEKEEPER MAGAZINE,
VICK'S FAMILY MAGAZINE,
GREEN'S FRUIT GROWER.

All four papers 1 year for \$1.25. Publisher's price, \$2.00.
See other liberal offers on another page.

Wr...
The work just as when evening and pu...
on the which three dust v...
spoon a qua...
utes u...
more v...
hard. f...
fine w...
and put to boil casional...
all part...
a tub, emulsion...
second l...
will usu...
rinsed. The sec...
in the but the some of the will be dry...
Editor...
Braided...
able of those th...
and ha...
medium...
three ti...
of a str...
other ar...
needle a...
ready fo...
third of are mad...
put into...
inches w...
make a b...
must be...
let the ra...
of the br...
made and...
end, and...
three or...
even stri...
care shou...
the rug...
better if...
men's clo...
rugs. Th...
a dark bl...
pretty w...
color, als...
and sol...
a pinked...
Charlot...
with Fr...
of cream...
powdered...
eggs bea...
lows and...
fine, six c...
English w...
ful each...
candied...
with a ha...
almond a...
liquids ar...
frothed c...
piled in a...
and set on...
It's a fo...
man that...
swered.
Nothing...
For over s...
their chil...
turbed at n...
a sick chil...
of Cutting...
get a bott...
Syrup" fo...
incalculab...
sufferer in...
mothers, th...
cures diarr...
Bowels, cu...
Gums, red...
tone and ...
"Mrs. Wind...
dren teeth...
is the pres...
best female...
United Sta...
gists throu...
five cents ...
"Mrs. Wi...
1903.



Easier Wash Days.

Written for Green's Fruit Grower.

The way I shall describe lessens the work at least one-half, the clothes are just as clean and will last longer than when they are rubbed. Sort them the evening before they are to be washed and put the white clothes in clear water to soak. In the morning put the boiler on the stove and fill it half full of water, which takes two or three bucketfuls. Put three heaping tablespoonfuls of gold dust washing powder and two tablespoonfuls of kerosene in a vessel, add a quart of water, and boil it a few minutes until it forms an emulsion. The amount given is for soft water; a little more will be required if the water is hard. Pour this into the boiler, pass the fine white clothes through the wringer and put them in the water. Allow them to boil fifteen minutes, stirring them occasionally to allow the suds to penetrate all parts alike, then lift them out into a tub, put a little more of the kerosene emulsion into the boiler and boil the second lot of white clothes. The first lot will usually need no rubbing but can be rinsed, starched and hung out to dry. The second lot may need a little rubbing in the places that are soiled the most, but the dirt is very easily removed. Save some of the clean suds or prepare some in the same way for the colored clothes, but they should not be boiled. There will be no disagreeable odor when they are dry.—Western Housekeeper.

Editor of Green's Fruit Grower:—**Braided Rugs.**—The most neat and durable of all home made rugs or mats are those that are braided. The smoothest and handsomest work is made with medium thick woolen cloth cut almost three times as wide as the desired width of a strand, prepared for braiding by turning the raw edges one side over the other and catching them together with needle and thread. The strands when ready for braiding should be about one-third of an inch wide. Serviceable rugs are made from rags not good enough to put into a carpet, cut three or four inches wide and braided. Rags cut wide make a heavy rug. Cotton or thin goods must be wrinkled up, taking care not to let the raw edges come on the right side of the braid. Square rugs are the easiest made and should be stitched across each end, and a fringe of strands left about three or four inches wide cut into fine even stripes. When sewing braided rugs care should be used to sew the braid so the rug will stay flat. The rugs wear better if lined with burlap. Cast off men's clothing furnish good material for rugs. The faded pieces may be colored a dark blue and brown. These rugs are pretty when each strand is of a different color, also when made of a solid center and solid border of a different color with a pinked edge of heavy cloth.—A. M. H.

Charlotte Russe.—A Charlotte russe with French fruit calls for a pint of cream whipped stiff, a half-cupful of powdered sugar and whites of three eggs beaten stiff. Add six marshmallows and a dozen seeded raisins, chopped fine, six each of blanched almonds and English walnut meats, and a teaspoonful each of shaved citron, chopped candied cherries, candied orangepeel, with a half-teaspoonful each of bitter almond and vanilla. The fruits and liquids are beaten in lightly with the frothed cream and eggs, the mixture piled in a mould lined with lady-fingers and set on ice for an hour.

It's a fortunate thing for the average man that all his prayers are not answered.

Nothing Better—Because it is Best of All.

For over sixty years Mrs. Winslow's Soothing Syrup has been used by mothers for their children while teething. Are you disturbed at night and broken of your rest by a sick child suffering and crying with pain of Cutting Teeth? If so send at once and get a bottle of "Mrs. Winslow's Soothing Syrup" for children Teething. Its value is incalculable. It will relieve the poor little sufferer immediately. Depend upon it, mothers, there is no mistake about it. It cures diarrhoea, regulates the Stomach and Bowels, cures Wind Colic, softens the Gums, reduces Inflammation, and gives tone and energy to the whole system. "Mrs. Winslow's Soothing Syrup" for children teething is pleasant to the taste, and is the prescription of one of the oldest and best female physicians and nurses in the United States, and is for sale by all druggists throughout the world. Price, twenty-five cents a bottle. Be sure and ask for "Mrs. Winslow's Soothing Syrup." 1840-1850.

FREE Unitarian literature. Apply to Stella Boardman, 138 Plymouth Ave., Rochester, New York.

Hints to Housekeepers.

A sharp pain in the lungs or side can be driven away by applying vaseline and mustard in the proportion of two parts vaseline and one part mustard. Rub it together and spread on a piece of linen as you would an ordinary paste. This is also excellent for a severe pain in the back of the neck and has been used with good results for breaking up the grip.

A healing poultice for pressure in breathing or for pleurisy pains is made of onions, boiled with pork until half done, then mashed or chopped and applied hot. This was ordered for an incipient case of pneumonia in a child, and was the only remedy tried for some hours. It was made to line a jacket next to the skin, and was renewed before it got cool. The remedial effects of the mixture of heat, grease and onions are remarkable.

An infant should be given no food containing starch until it cuts its teeth. Starchy foods include biscuits, corn flour, tapioca, sago, rice, potato, etc. An infant cannot digest any of these until its teeth are cut. Violent noises and rough shaking or tossing are hurtful to a baby, and should be avoided as much as possible. Infants should never be put into a sitting posture until they are at least three months old, when they will probably sit up of their own accord. They should be carried flat in the nurse's arms, as, if the little back is at all curved, it may lead to curvature of the spine or chest disease. Until children are six or seven years old they should have twelve hours sleep every night. In addition to this, a nap for two hours, either in the morning or afternoon—especially in hot weather—will do a great deal toward keeping them bright and well.

Hygienists all agree in telling us that we do not eat sufficient fruit, which is infinitely more productive of health and beauty than candy and pastry. Ripe apples are especially healthy, and children may eat them without danger. Some doctors say that an apple at bedtime produces sleep. Pears are more tasty than apples, but not so healthy unless cooked. Prunes have medicinal qualities which cannot be denied. They are better cooked, however. Apricots are also more healthy cooked than raw. Peaches are very healthy. The most healthy of all fruit, however, are grapes. Gooseberries and currants are best cooked. Figs are also excellent; they were in great favor with ancient Roman ladies, who always ate them for breakfast. Pineapples are said to be the best cure for dyspepsia yet known. Nuts of all kinds are indigestible. Oranges are also excellent as a cure for dyspepsia. Lemons produce cheerfulness and prolong life.

Now is the time to get cranberries in prime condition, and when canned and put away in the fruit closet with the other goodies they will come in very conveniently at a time when the fresh berries cannot be purchased. Here's a good way of preparing them. Pick over the fruit, wash thoroughly and cover well with cold water in your preserving kettle. Let them come almost to boiling point, then turn your gas low, add sugar and cook slowly for a long time, stirring occasionally, but not too often, as that would break them in pieces. The sugar must be generously used, in about same quantity as of fruit. Do not be afraid of "wasting your sweetness," etc. If carefully cooked they will keep perfect shape, grow transparent and resemble preserved cherries when done.

Fashion in Food.—Foods have their fashion as well as clothes. For no clear reason we eat certain kinds of fish, flesh and vegetables and disdain others which might be edible and pleasing to the taste. Queen Elizabeth ate the flesh of whales, but we to-day would turn up our noses at such a dish. Yet why? Is the cetacean flesh disgusting or tough or tasteless? We do not know for we never had it on our tables. Fish soup, grampuses and porpoises were dainties to the English palate before French cooks invaded the tight little isle and imposed the gastronomical modes of Paris on the British cuisine. It is not very many years since English and American stomachs revolted at the delicate legs of frogs; yet we munched those tender tidbits now with the steadiest nerves and the nicest relish of their sweetness and flavor.—Cooking Club.

Here is a prize recipe for stewed prunes given in a competition begun by a California fruit-growing association. Wash the prunes in several waters, nearly cover with water, and allow to stand over night. Simmer over a slow fire until tender. Do not put in any sugar until just before the prunes are done.

On the Art of Keeping Young.

There's no trouble at all about keeping young if you know what to do. Sarah Bernhardt says she has kept her youth by the aid of hot water and soap.

"When I am tired I take a hot bath," she says. "When I am nervous I take a hot bath and massage. When I am depressed nothing exhilarates and puts me in form so soon as a hot bath.

"Every night when I am playing, as well as when I am at leisure, I take a hot scrub before going to bed. Yes, I scrub my face with soap and hot water twice, and sometimes three times in the twenty-four hours.

"There is no beautifier like soap and water, and no preservative against illness, nerves and age that compares with hot water."

Clara Barton keeps young by not putting.

"I don't putter," she says, "that's what ages women—puttering."

"When I am not working I either rest or play. When I see a woman breaking down with nervous prostration, I wonder when women will learn to stop puttering.

"Sleep is a great thing for women. Half the women don't sleep enough. I've cultivated the accomplishment of napping. I shut my eyes and go to sleep whenever there's a lull in my work.

"It isn't the work that wears women out—it's the fretting and puttering. Here's the way to keep young: 'Stop worrying and go to work.'"

"Indulging in a fit of ugly temper not only shortens a woman's life, but makes her old and ugly before her time," says Mrs. Annie Jenness Miller, the apostle of dress reform. "Control your temper, for every time you allow it to control you spoil your good looks and injure yourself physically.

"Not only that, but the woman who governs her temper is the woman who wins in this life; and, as a rule, she makes the best match, because men like sweet-tempered wives. Then, anger curdles the blood, hinders circulation and consequently makes the complexion bad and dulls the eye.

One woman who is beautiful, though sixty, gives her recipe for retaining youth as: "Have great patience with fools." Worrying or being annoyed by the foolishness of others only makes unnecessary lines on brow and cheeks.

Here are a few rules for the guidance of the woman who would be beautiful at sixty or eighty, with a fresh complexion—not one of parchment—and bright eyes and mental faculties active:

Sleep eight hours during the twenty-four. Don't drink hard water. That long-lived race of people, the Chinese, drink only rain water, if they can possibly obtain it.

Avoid food that contains lime. Every article of food contains lime, but of course, there are some that are freer from lime than others. Onions are admirable youth preservers; so are fish, rice and eggs.

Eat fruit of all varieties. Fruit contains a large amount of acid, and this neutralizes the effect of those elements which make old age creep fast upon us.

Not long ago a German discovered that all you had to do to live forever and be beautiful forever was to eat a sufficiency of lemons. There was only one objection to the plan, but that was fatal. You had to eat daily one lemon for each seven years of your age.

When, therefore, you arrive at the second or third century, your length of life would be of very little use to you, for it would take all your time to eat the prescribed quantity of lemons.—New York "Sun."

Salt is a very useful, though humble, friend of the housekeeper, if she would but realize the fact. Damp salt will rub off discolorations left in cups by the sediment of tea and coffee. Salt will set the dyes of black and colored articles, if a little be added to the water in which these are washed. Salt, mixed with lemon juice, removes the stains of oak, tar or paint from the hands. Salt and water, applied to basket and straw work, and rubbed in with a soft nail brush, is a most effective cleansing agent. Brass ornaments may be kept bright by rubbing them occasionally with salt and vinegar. Salt thrown upon the grate will soon put out a fire in the chimney. Salt, when added in proportion to whitewash, induces the latter to adhere more firmly to any surface to which it may be applied.

Brine for Keeping Pork Meats.—For one hundred pounds of meat, take about eight pounds of salt, two pounds of sugar, one pint of New Orleans molasses and two ounces of saltpetre. Pulverize the saltpetre, dissolve it in water, and with the sugar and molasses stir it into the brine. It requires three gallons of water with the eight pounds of salt to make the brine strong enough. Old barrels must be well scalded and scraped before using again.

Absolute Range Perfection

Sold for Cash or on Monthly Payments

\$10 to \$20 Saved.

Freight paid east of the Mississippi River and north of the Tennessee Line; equalized beyond.

Your money refunded after six months' trial if

Clapp's Ideal Steel Range
is not go per cent. better than others. My superior location on Lake Erie, where iron, steel, coal, freights and skilled labor are cheap, enables me to sell a TOP NOTCH Steel Range at a claim ranging \$10 to \$50. Send for catalogues of all styles and sizes, with or without reservoir, for city town or country use.
CHESTER D. CLAPP, 205 Lynn St., TOLEDO, OHIO.
(PRACTICAL STOVE AND RANGE MAN.)

Did you ever see 5 straight or circular rows of Pansies side by side, each a different color? If so, you know that the effect is charming. Did you ever see Childs' Pansies, marvels in beauty and true to color? If not, you have not seen the best.

As a special Offer we will for 10 cts. mail 5 Pots Giant Pansies, White, Corn-Blaze, Cardinal Red, Pure Yellow, Azalea, Blue, Black. Our Catalogue for 1904—Greatest Book of Flower and Vegetable Seeds, Bulbs, Plants and New Fruits, 140 pages, 500 illustrations, many plates;—will be mailed Free. Scores of Great Novelties.

John Lewis Childs, Floral Park, N. Y.

PERFECTION DYES
A Turkey Red!

on cotton DOUBLE THE STRENGTH of old kinds is made with "PERFECTION" Dyes. Our seventy popular colors are unequalled for brilliancy and fastness to light, air, soot and acids. Simple, sure, no dull, dingy or uneventful. PERFECTION Dyes are specially made for coloring rug and carpet rags, and we send six large packages, any colors, by mail for 40 cts., 8 for 25 cts., or 1 for 10 cts.

Send us your address on postal and receive our booklet "How to Dye" also send card, catalogue and information how to get four generous Address W. CUSHING & CO., Dept. 8 Foxcroft, Me.

Tapioca Pudding.—One-half teaspoonful of tapioca; soak two or three hours, or, better, over night, in cold water to cover. Take one quart of sweet milk; let come to a boil, then add the yolks of two eggs, well beaten; one cup of sugar and two slightly rounding tablespoonfuls of cornstarch and the tapioca. Let boil five minutes, stirring to prevent scorching. Remove from fire and add a teaspoonful of lemon or banana flavoring. Beat the whites of the eggs to a froth, add three heaping teaspoonsfuls of sugar and, having removed the pudding to a dish, spread over it the meringue and set in the oven a moment until slightly brown.

"Smothered Chicken."—Two tender chickens cleaned and washed and wiped dry. Split down the back as for broiling. Lay flat in a baking pan. Sprinkle flour and put pieces of butter over each; pour in a cup of hot water, set in the oven and invert another pan over it. Roast at a steady heat for about half an hour. Lift the cover and baste often with gravy in pan. Use plenty of butter and remove cover and let chicken brown well before taking out of pan. Thicken gravy, season with pepper, salt and parsley.

Cream Nut Fudge.—Bring slowly to boiling point two cupfuls of granulated sugar and two-thirds of a cupful of milk. Boil hard until a soft ball can be formed by dropping a little cold water, then add one tablespoonful of butter. Remove from the fire and add vanilla to suit the taste and one cupful of chopped nuts, stirring until smooth; then pour into a buttered pan to the depth of half an inch and cool mark into squares with a greased knife.

Chocolate Caramels.—Cream well together one cupful each of sugar, molasses and milk (or cream) with half a cupful of butter and quarter of a pound of grated, unsweetened chocolate; then boil until the candy will crack in ice-water. Pour into buttered pans until half an inch deep and when cool mark into squares with a greased knife.

Steamed Indian Bread.—Take three cupfuls of buttermilk, two of sweet milk, three cupfuls of cornmeal, two of flour, a teaspoonful of salt and a half a teaspoonful of soda mixed with the flour. Mix and beat thoroughly, put into a well-greased pan and steam three hours.

Boil cauliflower with the head down and quite immersed in water. Cooked so, it will go on to the table much whiter than if exposed to the air while boiling.

EDITORIAL

Improvements on Farms.—A recent traveler reports that in New York, Pennsylvania and New Jersey he saw but few improvements on farm buildings or farm lands except where country places had been improved by wealthy residents of cities. I am surprised at this statement since in western New York I see continually many improvements made on farm buildings and in the farm lands. Farmers in New York state have had a prosperous season and are in a better financial condition than ordinary in spite of the fact of the severe drought from early spring up to nearly the first of July. I am inclined to think that this traveler was over-critical.

Flight of Bird.—A young pigeon flew back to its nesting place, a distance of one thousand miles, in four days. The bird did not fly during the night. Old pigeons make six hundred miles per day while younger birds are not expected to make over three hundred miles per day. No one can understand how birds locate places so far away. Migration of birds is but little understood.

Cement Walls.—Cement or grout walls are supposed by some to be cheaper than ordinary walls made of stone and lime mortar but at the present time, owing to the high price of cement, walls made of that material cost much more than ordinary stone walls made of lime and sand mortar. It is not necessary to have walled buildings for fruit houses. They can be made with less cost of lumber and may be built entirely above the ground.

Snails.—In France the snail is called the poor man's oyster. It is highly prized as food. Fifty tons of snails are said to be eaten daily in Paris. The snails are deprived of food for a long time before being eaten in order to improve their quality. A creature similar to the snail, but having no shell has become a troublesome pest at Rochester, N. Y. It was introduced from Europe by a German resident.

Farm Economy.—Every land owner feels the necessity of using economy, but often it is good economy to pay out money freely. I do not consider it good economy to attempt to get along without hired help when hired help is actually needed, nor to get along without machinery when machinery is needed. You must look at all these things in the proper light. It is not economy for your wife to work herself into her grave when she should have a maid servant to help her.

Shall I Buy More Land?—Many people have a desire to enlarge their farms. This is often a mistake. I believe in having a little farm well tilled. I can take ten acres of good land and get more revenue from it by growing fruits than many farmers will receive from two hundred acres. If your land is impoverished you have to cultivate two or three acres in order to get the crop that should grow upon one acre. This is poor business.

Girl Farmers.—While we sometimes meet strong young men who complain about the hard work of a farmer's life it is not unusual to see farms managed by young women who do nearly all the work without complaint. There are several girls in this locality working farms.

Thinning Fruits.—There is much to be said on both sides of this question. If a man has a few trees in his garden it is an easy matter for him to thin the plums, peaches, pears and apples, thus securing larger and finer specimens. But what shall a man do who has one hundred acres, or one thousand acres devoted to one fruit? All he can do is to aim by pruning to remove any chance of over-loading the trees, and by thorough cultivation and enriching the soil bring the crop as near perfection as possible. If the large orchardist expends thousands of dollars in thinning out his peaches he may find later that those left upon the trees fall off, or something happens them, thus all of his time may be wasted.

Buying Manure.—I have for years bought manure from the stock yards of Buffalo, by the car load. After paying freight I find that this manure delivered on my farm costs over \$1.00 per load, therefore if you can buy manure near your farm at \$1.00 or less per load I would advise you to buy it, horses feet? Does he rasp off the outer providing you get anything like the shell of the hoof after having made the prices we get in Western New York for shoe smaller than the hoof was natural-fruits and other farm crops. The trou-

ble with most people is that they cannot get enough manure near their farms. Buy unleached wood ashes also near home.

Apples for Horses.—I make pets of my horses and cow and am pleased to visit the stables often with my pockets filled with apples. I am always a welcome visitor to the barns. My horses and cow consider me their best friend. After eating dry hay and grain how well these animals relish juicy apples. If apples are scarce I carry them a basket of carrots. Every year I grow a patch of carrots for my horses and cow. It is surprising to learn how many bushels of carrots can be grown on a small garden patch. A thousand bushels of carrots per acre is not a large yield. Carrot seed comes up slowly therefore when sowing mix a few turnips or radish seeds with the carrot seeds which will come up soon and mark the rows so that you can cultivate the carrots before the seed is up.

Clipping Horses.—I keep three horses in the city for driving and running about. One of them has a fury coat so thick that when driven he becomes sweaty and will not dry off for twelve hours. We were absolutely compelled to have this horse clipped before winter set in. Now this horse after thorough exercising, comes into the barn perfectly dry and in good condition. But when this clipped horse is taken out of the stable on a cold morning he shivers, and I am sorry for him, but the moment he begins to exercise he is all right. Such clipped horses should not be allowed to stand a moment on the street without blanketing.

Laborers on the farms of India receive on an average but \$1.68 a month for their work, and it is hard work and long hours. There are few strikes in India. Possibly if these same laborers were receiving \$30 to \$40 per month they would strike for higher wages.

The Tool Chest.—Every farmer or fruit grower should have a few carpenters' tools, sharp and in good condition, such as hammer, saw, hatchet, screwdriver, augers. There should also be an assortment of nails, screws and bolts of various sizes. Now is the time to renew your supply, so that when the busy season comes, and your machine gets out of order, you have the means at hand for speedy repair. Have on hand always a moderate supply of lumber of varied thicknesses and widths for repairs that may be needed.

In Old Times.—Once kings did all the work of government. Thus we hear of King Solomon acting as judge and jury. Kings went to war and led their armies on to victory or defeat. Later certain nobles thought they should have something to do with the government and finally their claims were granted. Still later certain landed gentlemen deemed it only right that they should have a voice in government, since they had large interests that were affected, and this claim was granted. Later on all men claimed the right to have some voice in government and this was granted. During all this time women were entirely overlooked. Now the women think they should have a voice in government, a vote, since they have as large interests at stake as men, and this seems to be a reasonable conclusion.

Our Wood Lots.—Remember that trees get ripe the same as wheat or other crops. Whenever trees are ready to cut they should be made into fire wood or lumber. But this does not mean the destruction of the forest. If the trees which have attained full growth and are fully matured are cut down, younger trees may remain. Then numerous young trees will spring up on every side and the wood lot will be renewed for cutting in the years to come. I believe in retaining at least a small wood lot on every farm.

Different Views.—The editor aims to give different views of various people on the same subject. The editor is aware that the views of one person may not be accepted by all readers. But if views of different people are given, the reader may select for himself the suggestions which seem to him to be most acceptable. That paper is most valuable to its readers which is most suggestive, leaving the reader himself to decide what to do under his peculiar circumstances, soil and climate.

Horse Shoeing.—Does your blacksmith understand the principles of horse shoeing and how to properly protect the horses feet? Does he rasp off the outer providing you get anything like the shell of the hoof after having made the prices we get in Western New York for shoe smaller than the hoof was natural-fruits and other farm crops. The trou-

toughest, strongest portion, and when this is cut off or rasped away, the hoof is weakened. A good horse shoer must be a skillful man and must understand his business well. The owner of a valuable horse usually goes to the shop personally when the horse is shod to see that the proper work is done. For instance, a man who owns a race horse worth \$50,000 would not feel like trusting that horse in the hands of any blacksmith without supervision.

Asparagus.—Asparagus is easily grown and once planted, will last in the same bed or in the same row for almost a life time. On the old farm where I was born there was a small bed of asparagus which had been planted twenty years previously. It had been overgrown with grass and received no attention, yet every spring strong shoots were cut and prepared for the table. In recent years asparagus has been planted in rows so that they could be cultivated instead of in beds and the row system is the best. When planted in beds where the grass has covered the ground, I am told that a heavy application of salt may be applied with safety, that will destroy the grass but will not injure the asparagus. Light dressings of salt are helpful to asparagus beds.

Eldorado Blackberry.—I saw an elegant bearing plantation of Eldorado blackberry the past season growing alongside Rathbun, reports Matthew Crawford of Ohio. Both varieties were at their best and had received good cultivation and good treatment. It was difficult to decide which of the two varieties was the more desirable. The owner of the plantation rather favored Eldorado which is perfectly hardy and is a strong upright grower. Both varieties yielded large fruit and plenty of it.

"All our dignity lies in our thoughts."

"It costs more to satisfy a vice than to feed a family."

SORRY HE LEFT THE FARM.

An aged gentleman who has met with varied experiences, said to me, "I am sorry I left the farm." This man worked his way through college under disadvantages, studied law and practiced law for many years in one of the largest cities. He was venturesome, willing to take large risks. At the solicitation of a man who stood high in political circles in Washington, D. C., he was persuaded to go to San Domingo to start a bank. He took with him immense safest for storing the money. At that time San Domingo was expected to be annexed to the United States. This venturesome man was not a man of large means. He sold his beautiful home and invested everything in this new bank. Within a year he was notified by his friend that all was up. San Domingo would not be admitted to the Union and the banking enterprise he had begun must be abandoned. Thus he lost heavily on the venture owing to circumstances which he could not control. Several years later he took a contract to build a railroad in Columbia, South America. He surveyed the route, ordered cars and laid a portion of the track, when a revolutionary war occurred which made it impossible for him to proceed further, and he was compelled to abandon this scheme with loss. Fate was against this man's success thus. Now nearly eighty years old, he remarks: "I wish I had stayed on the farm where there was no opportunity for making millions of dollars, but there was every prospect of laying up a comfortable competency." Will farmer's boys take a lesson from this experience?

5,000 Rifles SEND NO MONEY

FREE TO BOYS

Just send us your name and address so that we may tell you how to get this fine rifle ABSOLUTELY FREE.

YOU CAN HAVE ONE

As we are going to give away 5,000 of them. We mean it, every word, and this is an honest, straightforward offer, made by an upright business firm who always do exactly as they agree. All we ask is that you do a few minutes' work for us. It is so very easy that you will be surprised.

This handsome rifle is not a toy air rifle, but is a genuine steel, blue barrel, hunting rifle, that is strong, accurate and safe and carries a .22-caliber long or short cartridge. If you want a fine little hunting rifle, just write and ask us for particulars. They are free and you will surely say it's the best offer you ever saw or heard of.

BE SURE AND WRITE AT ONCE before the 5,000 rifles are all gone, as the boys are taking them fast. Address,

PEOPLES POPULAR MONTHLY
154 Manhattan Building,
DES MOINES, IA.

Easy Planting and Cultivating:

It will not be disputed that for adaptability, easy conversion, perfection of work and easy running there is no other line of tools that so admirably fits the gardener's needs as the celebrated Planet Jr. tools. By the purchase of a single tool the gardener may secure in the varied attachments about everything in the line of planter or cultivator he will need. This is made apparent by a glance at the illustration below, the Planet Jr. No. 4. Combined Drill and Hoe. The illustration shows it as a seeder which does accurate work in both hill plant-

ing and drilling. A moment's work converts it into wheel hoe, cultivator or plow. As such it does nicest and most accurate work of great variety. We illustrate No. 4 merely as a suggestion of the adaptability and comprehensiveness of all Planet Jr. tools. It is but one of forty of the Planet Jr. family, from which it is easy to credit the claim that in one form or another there is "a special Planet Jr. tool for every special duty." The conversion from one to any other form of the combined tools, the exact work and the easy running of all are well known Planet Jr. characteristics. The line embraces plain and combined seeders, wheel hoes, hand cultivators, walking cultivators, one and two horse riding cultivators, special sugar beet cultivators etc. The Company's catalog gives a complete idea of the adaptability and special service of Planet Jr. tools. The 1904 edition will come free to any one writing S. L. Allen & Co., Box 1107-G, Philadelphia for it. Among its 100 illustrations are 16 beautiful half tones of Planet Jrs. doing duty in characteristic farm and garden scenes in this and other lands.

Cigars direct from factory, send stamp for catalog. THE PERRY CIGAR WORKS, BELFAST, MAINE

Century Sprayer.

Best barrel sprayer made. Capacity and adaptability to suit all requirements. Three sizes. Its valves are bronze balls. Cylinder and pipes are brass. Indestructible packing crimp. Large air chamber. Agitator like agitators. Its low

PRICE PLEASE
We make twenty styles sprayers. Every need specially made. Hand, Breast, Knapsack, Pewter or Sprayer. Send for catalog tree. Booklist on insects and plants and fruit diseases 10c.

THE DEMING CO., Salem, O.
Henton & Hubbard, Western Agents
Chicago, Ill.

200 TREES PER HOUR.
For work on a grand scale and for its excellent automatic appliances for agitating liquid and cleaning the suction strainer, preventing clogging of pump and nozzles, the celebrated

EMPIRE KING SPRAYER

takes precedence of any other spraying machine made. Note in the open section of barrel the revolving agitator and cleaning brush. Both are in constant operation and efficient pumping. Foliage is never injured or broken. Capacity of barrel, 1.5 and 10 gallons. Brass cylinder, plunger and valves secure greatest strength, long life, and freedom from corrosion. Every consideration urges it as the pump for large sprayers. We also manufacture the Monarch, Garfield Knapsack and many other kinds and sizes of sprayers. Write for our excellent book on spraying, sprayers, old and new spraying formulas, etc. Mailed free.

Field Force Pump Co., 226 Eleventh St., Elmira, N. Y.

TERRIFF'S PERFECT WASHER
SENT ON TRIAL with a positive guarantee to wash shirt collars and wristbands of the dirtiest shirt perfectly clean, without the use of the washboard or hand rubbing, with no injury to the most delicate fabric. Will do a family washing in one hour; saves time, labor and expense.

FREE We want good, reliable and industrious agents, and in order to secure your help will send one of our washers absolutely free. Write today for free catalogue and full particulars.

PORTLAND MANUFACTURING CO., 131 Pearl St., Portland, Mich.

NATURE STUDIES

A WISE OLD MUSKRAT.

When a boy, and still barbarian enough to delight in trapping, partly from a love of the chase that was born in me and partly to put money into a boy's empty pocket, I once caught a muskrat in a steel trap that slid off into deep water at the first pull, and so drowned the creature mercifully. This was due to the careful instructions of Natty Dingle, at whose feet I sat to learn woodcraft, and who used the method to save all his pelts. For often an animal, when caught in a trap, will snap the bone by a twist of his body, and then cut the leg off with his teeth, and so escape, leaving his foot in the trap's jaws. This is common enough among fur-bearing animals to excite no comment; and it is sad now to remember that sometimes I would find animals drowned in my traps that had previously suffered at the hands of other trappers.

I remember especially one big musquash that I was going to shoot near one of my traps when I stopped short at noticing some queer thing about him. The trap was set in shallow water where a path was made by muskrats came up out of the river into the grass. Just over the trap was a turnip on a pointed stick to draw the creature's attention and give him something to anticipate until he should put his foot on the deadly pan beneath. But the old musquash avoided the path as if he had suffered in such places before. Instead, he came out at another spot behind the trap and I saw with horrible regret that he had cut off both his fore legs. Probably at different times, when he had been twice caught in man's abominable inventions. When he came up out of the stream he rose on his hind legs and waddled through the grass like a bear or a monkey, for he had no forefeet to rest upon. He climbed a tussock beside the bait with immense caution, pulled in the turnip with his poor stumps of fore arms, ate it where he was, and slipped back into the stream again; while the boy watched with a new wonder in the twilight, and forgot all about the gun he had brought with him to shoot muskrats as he tended his traps.

It does not belong with my story, but that night the traps came in, and never went out again; and I can never pass a trap now anywhere without poking a stick into it to save some poor innocent leg.—William J. Long, in "Outlook."

Sick Animals.—"Most people have seen a sick cat eat grass, or an uneasy dog seek out some weed and devour it greedily to make his complaining stomach feel better," says William J. Long in the "Outlook," writing upon animal surgery. "Others may have dipped deep into Indian history and folklore, and learned that many of the herbs used by the American tribes, and especially the cures for rheumatism, dysentery, fever and snake bites were learned direct from the animals, by noting the rheumatic old bear grub for fern roots or bathe in the hot mud of a sulphur spring, and by watching with eager eyes what plants the wild creatures are when bitten by rattlers or wasted by fever. And all have perhaps wondered how much the animals knew, and especially how they came to know it. To illustrate the matter simply and in our own day and generation: A deer that has been chased all day long by dogs, and that has escaped at last by swimming an icy river and fallen exhausted on the further shore, will lie down to sleep in the snow. That would mean swift death to any human being. Half the night the deer will move about at short intervals, instead of sleeping heavily, and in the morning he is as good as ever and ready for another run. The same deer shut up in a warm barn to sleep over night, as has been more than once tested with park animals, will be found dead in the morning."

Queer Fish.—There is a quaint little fish that haunts the weed tracts of the gulf stream, and there builds its nest and lays its eggs like a bird rather than a fish. This animal—the antennarius—imitates in color the weed it lives in, and like the chameleon, constantly changes its colors.

The Ostrich.—A full-grown ostrich will yield an annual income in feathers of about the value of thirty dollars. The market price of a full-grown ostrich at

the present time is about a hundred and fifty dollars, young ostrich chicks being sold for twenty-five dollars; fresh ostrich eggs are worth six dollars each and contain the equal of thirty hen's eggs, tasting just the same. Thus, as a feather producer, an exhibition and a multiplier is the African ostrich subserving the needs of the American ostrich farmer, and, while not furnishing the sport which the marauding Arab on the distant shadeless desert enjoyed, yet in other ways is compensating the citizens of this great republic for the care and comfort it is receiving.

Sea anemones, which with their green, pink, cream, blue and crimson floral beauty turn the shores of the ocean into a marine paradise, may be cut down by adverse circumstances, as our garden flowers are by a northern blast, without losing their vitality or their power of recuperation. Let but a layer of the original root remain attached to the rock, and they will again grow bodies, and crown them with bud-like fringes, which serve them for lips and hands.

An earthworm thinks nothing of being taken off in the middle of the back by the spade of an unsuspecting or malicious gardener, but simply rests as a private patient for a month or two, and then comes out with a brand new tail. Even the loss of the other end does not trouble the interesting creature, which Darwin raised from the status of a pest to the honorable rank of one of the world's benefactors.

Most people lose their heads metaphorically, at times, but when those ornamental appendages are literally off, no fresh heads take their place. A worm, on the contrary, has been known to grow a new brain, as well as the more humdrum but useful mouth and throat, in the course of a couple of months.

The Jew Fish.—Perhaps no angling sport in all America, tarpon fishing in Florida not excepted, is superior in excitement and interest to the fishing with rod and reel for the gigantic jewfish off the coast of the island of Santa Catalina. Sometimes the creatures will haul the rowboat twenty miles before being brought to gaff; and invariably there is a struggle of several hours, developing the staying qualities of both the catcher and the caught before one of these monsters is subdued and led captive to the shore. Hung up there for the edification of visitors to the watering place of Avalon, it is finally thrown into the deep. Let me quote the experience of a well-known pedagogue who wrestled with one of these California immensities: "Imagine, you casters of the black bass fly, a small-mouthed black bass lengthened out to six feet, bulky in proportion, a giant black bass—one that you would dream about for a good day's fishing—almost a fac simile of the five pounder you have taken pride in, but increased to size that tips the scales at 347 pounds! Imagine this and you have the jewfish, black sea-bass or Stereolepis gigas of the Pacific coast."

Food in India.—During the last year of our stay in India we had beef only once, mutton twice and fish about eight times. Chickens are so common we got tired of them. In fact chicken is about the only kind of meat to be had. The natives are vegetarians and seldom eat meat of any kind. A butcher came to our city once a week and brought goat meat, the only kind to be had. The natives eat either rice or bread made from wheat or a grain peculiar to the country. In the grain districts they have bread. It is a two meal a day country. The rich people live well and have dainties, but the poor live on rice and vegetables. Neither knives nor forks are used. Native servants can be engaged for \$3 a month and provide their own homes and food."

"A Queen Bee," said Deacon Blimber, "lays from 2,000 to 3,000 eggs in less than a week, and don't say a word about it; but when that old speckled hen 'mine drops her one little stub-ended yaller egg in the mornin', she struts around and hollers like a house afire, and snubs the whole face of all creation, as if she owned the earth—and that bee and that old hen is a good deal like some human folks."

There was a young lady from Dorset Lit a match and decided to toss it In a can of benzine; And out on the green They found a side comb and a corset. —Cornell Widow.

Buy From Our **FACTORY** Save One Third

We cut three profits on the price of our carriages by selling direct, and offer a greater variety for selection than can be found at any dealer.

THE COLUMBUS CARRIAGE & HARNESS CO., Columbus, Ohio.

ACME Pulverizing Harrow Cleat Crusher and Leveler.

SIZES
3 to 13½ feet

Agents
Wanted.



The best pulverizer—cheapest Riding Harrow on earth. We also make walking ACMES. The Acme crushes, cuts, pulverizes, turns and levels all soils for all purposes. Made entirely of cast steel and wrought iron—indestructible.

Sent on Trial

To be returned at my expense if not satisfactory. Catalogue and Booklet, "An Ideal Harrow" by Henry Stewart, sent free.

I deliver f.o.b. at New York, Chicago, Columbus, Louisville, Kansas City, Minneapolis, San Francisco, Portland, etc. DUANE H. NASH, Sole Manufacturer, MILLINGTON, New Jersey. Branch Houses: 110 Washington St., CHICAGO. 240 7th Ave. So., MINNEAPOLIS. 1316 W. 8th St., KANSAS CITY, MO. 218 E. Jefferson St., LOUISVILLE, KY. Cor. Woodward & Gay Sts., COLUMBUS, OHIO. PLEASE MENTION THIS PAPER.

A Planet Jr. For Every Garden.

The No. 28 Planet Jr. is a combination tool for large family gardens. The illustration to the left suggests its several uses as Hill and Drill Planter, Single and Double Wheel Hoe, Cultivator and Plow. In planting in hills 4, 6, 8, 12 or 26 inches apart, in drill seeding, killing weeds, scuffing, cultivating, furrowing, working between and astride the rows, it combines in one tool almost universal usefulness. In the right illustration, the No. 10 Planet Jr. is an adjustable wheel Hoe, Cultivator, Rake and Plow. Note its equipment. It can be adjusted for height, the wheel for depth, and by setting the wheel to one side both sides of the row can be cultivated at one passage.

Planet Jr. 1904 Catalogue

Shows forty different machines, including Seeders, Single and Double Wheel Hoes, Hand Cultivators and Two Horse Cultivators, Horse Hoes, Super Cultivators, etc. Over 100 illustrations, including 16 beautiful half-tones of home and foreign farm and garden scenes. Mailed free to all.

5. L. ALLEN & CO.,
Box 1107-G,
Philadelphia, Pa.

Greatest Opportunity Ever Offered For 85⁰⁰ We'll Sell You The Best Gasoline Engine ever made The CHICAGO

a complete engine in every detail, erected on wood base, self-contained, with Electric Spark Igniter. Water and Gasoline Tanks, Batteries and connections, all ready to run. Each engine thoroughly tested, and Guaranteed Absolutely Perfect, and

Full 2 Horse Power with pulley for running all kinds of machinery by belt. Pumping attachment as shown in cut \$1.00 extra.

Simplest engine ever produced. Results of 14 years experience. Fewer Parts, Highest Efficiency, Greatest Economy, Lowest Price. OTHER SIZES AT PROPORTIONATE PRICES. We make 3, 5 and 8 Horse Power engines all on same lines. Cut This Ad Out and send it to us and we will mail you catalogue free, it shows large cuts, gives full description and more information on gasoline engines than was ever given before. We have revolutionized the gasoline engine business. Catalog tells what we have learned in 14 years. Chicago Gasoline Engine Co. 57 North Jefferson St. Chicago.

SAMPLE CASE and \$2.00 OUTFIT FREE

To quickly introduce our large line of Household Necessities and new Specialties in Aluminum, Silver, Tin and Enamelled Ware, into every home in the United States, we will send this \$2.00 Outfit FREE to any reliable person who will act as our agent by taking orders for our goods. No experience necessary. This Free Outfit consists of our New Ball Pan, Mixing Spoon, Egg Separator, Dripless Strainer, Heat Tender, Flexible Scraper, Biscuit and Cookie Cutter, Garment Hanger and Handy Knob, in a neat Sample Case (Size, 6x10 inches, total weight, 3 pounds). Samples are full size, taken from our regular stock. We send the outfit free and will pay you big cash commissions, or give you your choice of over 200 valuable premiums such as Furniture, Silverware, Dishes, etc., etc. You need not invest one cent. Write today for free Outfit and catalogues of our Goods and Premiums.

NATIONAL NOVELTY WORKS, 57 to 62 Wabash Ave., Chicago, Ills.

**"Don't borrow or lend,
pay old debts."**



Have a knife of your own. Have a good one. Let us make you a present of a Keen Kutter, Hand Hammered outfit, like illustration which is only about one-third actual size. It possesses good stuff and will give satisfactory service. We will send you one post-paid on receipt of 50c. to pay for Green's Fruit Grower one year, if you claim this premium when subscribing.



Perhaps it's a Pruner you need.

Every fruit grower should own a good one. We are in position to supply every subscriber to Green's Fruit Grower with the useful article. Will send one to you post-paid on receipt of 50c. to pay for the paper one year and 25c. additional. Send 75c. for paper and pruning knife.

**Address, GREEN'S FRUIT GROWER,
Rochester, N. Y.**

There Will Come a Day.

For Green's Fruit Grower by Walter Scott Haskell.

Now sunlight her glory,
And darkness her twin;
Are one with Dame Nature,
Since time did begin.

In the absence of day,
The night e'er must be—
A twofold condition
Of God's entity.

For the Artist must have
Both light, and dark shade,
Or his master Creation
Would ne'er have been made.

Poor epitome man!
His soul strives to bloom,
With mind ever doubting
From morning till doom.

He chooseth the darkness,
With light all around;
Knowing not that in one,
The other is found.

Notes From Green's Fruit Farm
Dec. 28, 1903.

A neighbor dropped in to use the 'phone the other day and told of his experience with 8,000 barrels of No. 1 apples a few years ago. He bought at \$1.50 per barrel, put them in a cellar. In the early part of winter severe weather set in and all the doors and windows were set wide open allowing the frost to get in to his heart's desire. The whole 8,000 barrels were frozen stiff. Now the doors and windows were closed tight, the cellar banked well on the outside, the floors above the cellar covered thickly and in addition great care taken in covering every barrel with a liberal covering of dry litter. During the early part of February a party interested came and looked at them, pronounced them O. K. and bought them at \$2.25 per barrel, but before the month was over sold them again to the original owner at \$2.50 per barrel. March and April passed away with the usual changes of temperature, but these changes had no effect on the home made cold storage. May 1st the banking was removed, the floors cleared, the doors and windows partly opened, that gradually the warm air was allowed to get into the cellar. After some days the whole of the covering was removed from off and around the barrels and the fruit was found thawed out and in excellent condition. Every barrel was examined and a shrinkage of only 6 barrels found. The 7,994 remaining barrels were sold within a few days at \$3.00 per barrel.

Farmers in this vicinity discovered gold mines on their orchards the past season. Orchards that promised 200 barrels at the beginning of the season yielded 300 to 400 barrels of excellent quality, which sold readily at from \$1.75 to \$2.25 per barrel. One neighbor bought a farm a year ago for \$10,000. In the spring and during the summer he devoted considerable attention to the larger apple orchard, sprayed thoroughly three or four times, and is now feeling comfortable over the fact of a sale of 5,000 to 6,000 barrels of prime fruit, the net returns of which go a long way to cover the purchase price of the whole farm, which comprises nearly 200 acres of excellent land and a fine old homestead, not forgetting the orchard referred to which is just in its prime.

The specimen rows of apple trees here in the fall were pleasant to look upon and the fruit has been a delight then and since. About one hundred varieties bore fruit. From the time the bright little Red June let us know that the 1903 apple season had opened until the tree of Salome was picked the latter part of November, there was always a pleasant surprise to be met with seemingly every time one looked upon them.—E. H. Burson.

A New Era for Farmers.

Wise men have claimed that the productiveness of the earth has reached its greatest point and that henceforth, owing to the scarcity and waste of barnyard manures, and exhaustion of guano beds, there will be a falling off in the yield of farm crops, until not far hence, owing to the increasing numbers of the human family, starvation will ensue. Men in past ages have indulged in similar doleful theories, which have come to naught. Before coal and oil were discovered pessimists feared that the human race would freeze. Now, in addition to coal and oil we have electricity as a method of heating. There are many who look forward to the exhaustion of coal, but who knows what inventions now not thought of may take the place of coal and wood in future years?

The air is full of nitrogen, which is one of the most expensive fertilizers that we apply to the soil. It is claimed that seven tons of nitrogen are pressed on every square yard of earth, but this is in a free state and plants must have the nitrogen in a fixed state in the soil before it can be made available. Legu-

minous plants, such as clover, etc., are known to add nitrogen to the soil through the work of bacteria that accumulates about the roots of these useful plants. A strong current of electricity between terminals burns the air and thus produces nitric acid upon which the plants can feed. But now comes a new discovery, which, it is thought, will make a new era for fruit growers and farmers. This is the discovery that bacteria similar to those that gather about the roots of clover, may be cultivated and bred in an astonishing manner, and can be transported to various parts of the country, and multiplied on the land of the farmer who receives them. When these bacteria in the earth are spread upon the field they continue to increase in numbers in an astonishing manner, thus impregnating the entire field or farm with nitrogen producing creatures. The United States government is now engaged in breeding this form of bacteria, and in sending them out throughout the country, but the work is yet in its infancy. Truly we can exclaim, how little we know of the common things, even of the soil upon which we tread. There are secrets of the soil which men have been groping after for generations, which are just coming to light and which will prove of great service to mankind.

A World of Changes.

Think of human life in the time of the cave dweller. What did the wife do? What was the husband's or the children's work? The wife cooked the food and made the garments. The husband hunted the woods for game; the children were idle. Then came, later on, an advancement when men lived in wigwams or rude cabins, when the wife wove cloth rudely and made woolen garments, or garments of hair, and when the husband began to till the soil. In the earlier ages everything was done in the family. There was not the community of interest, no factories, no congregation of people. Later man discovered that by joining other men he could wage war or defense more successfully than he could alone, thus men began to organize in one direction and another until we have to-day organized societies for various purposes, and organization of capital. Women attempted no organization until more recent years. In the earlier ages women were not considered of as great importance as they are today. Now women are organizing. Some complain that women are not so thorough, have not much grit and perseverance, not so much ability as writers, orators, or as thinkers, but why should we expect that they should be qualified since they have not had the experience that men have had. It is comparatively a new thing for women to attempt many things that they are now attempting and doing fairly well.

Teacher in Trouble.

A lady teacher was attacked by six grown girl students who assaulted the teacher, overpowered her, bound her hands together with ropes and lashed her to a rail and carried her about. After releasing her from the rail, with her hands still tied behind her, the girls then lashed her to a hog trough with heavy ropes three-eighths of an inch thick, and carried her one-fourth of a mile, where she was placed in the edge of an icy pond until the water came up to her waist. She was left in that condition until her cries caused them to loosen her from her plight. The students thereupon cut the ice further out in the pond and lowered the plaintiff, still lashed to the trough, into deeper water until the water reached her shoulders, and the plaintiff only kept her head out of the water by placing her head back on the ice. She was left in this position for fifty minutes, while the defendants built a bonfire on the shore of the pond to keep themselves warm. She was left in the water until almost unconscious and frozen. Some things like this occur in this country, causing us to blush for being Americans.

Rellable Poultry Journal of Quincy, Ill., is full of valuable information for the poultry keeper. It is devoted to better poultry and more of it. It does not bother with pigeons, rabbits, dogs or other pet stock. It is a large publication with an efficient staff of editors. We offer Green's Fruit Grower with Reliable Poultry Journal both for 50 cents.

A remarkable old man by the name of Joseph Denney lives at Cherokee, Ia. He is the father of twelve children, and has sixty-six grandchildren, ninety-four great-grandchildren, and one great-great-grandchild. At his last birthday 170 descendants congratulated him.

A financier is a man who handles other people's money for them and lets them stand the losses if they lose and takes the profit if they win.

THIS TELEPHONE PAYS Its Own Cost

Don't let cost keep you from the money saving features of a telephone. Cost cuts little figure if returns warrant the outlay. False economy is keeping many farmers on the grindstone. Often one instance alone like a timely sale when prices are highest, or assistance in time of need—when accident, fire, or sickness occurs, is worth ten times the cost of a

Stromberg-Carlson Telephone

That's how they pay their own cost—they seldom cost anything for repairs—guaranteed for one year. This proves they are perfect in mechanism. Nothing to get out of order—simple, durable. Clear and strong in talking qualities. The standard by which all telephones are measured. "As good as Stromberg-Carlson make" is an argument used to sell others. Our 128-page telephone book tells ALL about phones—sent for five 2c stamps. Or our book F-23 "Telephone Facts for Farmers," sent FREE on request. Address nearest office.

Stromberg Carlson Tel. Co. ROCHESTER, N. Y.
CHICAGO, ILL.

SEEDS FROM THE GROWER

We are Seed Growers (Not mere dealers)

And sell direct to the Planter at WHOLESALE PRICES

Our specialties are choice Vegetable Seeds, Seed Potatoes, selected Seed Corn, improved Oats, etc. Catalogue Free—Don't miss seeing it. JOSEPH HARRIS CO., Coldwater, N. Y.

GRAPE VINES STARK GRAPE NURSERIES are in the heart of the famous Chautauqua Grape Belt, which produces the finest vines grown in the U. S. We have an immense stock of all leading sorts; quality perfect; prices low as those of any reputable grower. Send us your orders—one vine or a car load. A complete line of fruit trees, small fruits, etc. Price List free. STARK BRO'S PORTLAND, N. Y. Louisiana, Mo.

FREE BISQUE DOLL

GIRLS

Do you wish to earn a beautiful Bisque Doll, also a lovely Necklace and Ring? If so, send us your FULL name and address and we will send 22 cards of our jewelry novelties, postpaid, sell them at ten cents per card and return us \$2.20 and we will send you, all charges prepaid, one of the most beautiful Bisque Dolls ever given away, together with a Chain Necklace and a Gold finished Ring. This doll is nearly one-half yard tall,

DRESSED IN SATIN & LACE

and looks exactly like the picture shown here. A perfect beauty with turning bisque head, lovely curly hair, pearly teeth, natural sleeping eyes, jointed body, real slippers, stockings, etc., and is completely dressed from head to foot. Understand this is not a printed cloth or rag doll, nor a cheap plaster of Paris doll, such as some concerns give, but a real sleeping Bisque Doll nearly

ONE-HALF YARD TALL

together with a Necklace and Ring. Positively these three presents given for selling only 22 cards of novelties. Take notice: We prepay all express and mailing charges on our premiums. \$1000 REWARD who can prove that we are not giving the three premiums described above, for selling only 22 cards of novelties. Write to-day and be sure to send your FULL name and address, if you wish to earn these beautiful premiums.

BISQUE DOLL CO., Dept. F. 32 Bridgeport, Conn.

Aunt Hannah's Replies.

Dear Aunt Hannah: I am a farmer's daughter. I am particularly interested in a young man with whom I have been corresponding for a year. This young man is now living in another city. I have not received any letter from him for several weeks. This long silence on his part is unusual and I fear that he is ill. Would it be proper for me to write him before receiving a reply to my last letter?—Ruth.

Reply.—You are the best judge as to whether you should wait in silence or write him telling him that you have not received a reply to your letter. Often frankness in regard to these matters is the best course. There will be no harm in your writing in briefly asking if he received your letter, stating that you received no reply. Possibly his letter to you has not reached you. Some people are careless about their correspondence. If you find that his affection has cooled do not worry about it. It is better to learn of fickleness before than after marriage.

Dear Aunt Hannah—I have been greatly pleased with the instructions you are giving young girls. I wonder that so many in their teens should come to you for advice concerning matrimony when you have so often expressed your good judgment by telling them that a girl of sixteen or seventeen is only old enough to begin to learn the real ways of life. I am a young girl myself but I realize how much I have to learn from experience to fit me for the future that a girl knows nothing of when seventeen years old. I was delighted with F. A. S.'s letter and would like to correspond with that young lady and will do so if she will kindly send me her address. My mother is helpless and since I am her only daughter at home I am like F. A. S., kept busy with other thoughts than fretting over the future. The future will be full of sunshine if we are only living as we should live, and learning as we should learn.—Dora M. Johnston, Rogersville, Pa.

Dear Aunt Hannah—I consider your advice to young people the best I have ever read. I am a young girl of blonde type. Have lived all my life on the farm about eight miles from the railroad depot. Last year I spent eight months in the city and while there I met a young man to whom I became much attached at first sight. He seemed to be equally attracted to me. We kept company for six months and my affection for him continued to increase. Then he left the city writing to me three times on his way home, and we have corresponded until lately. I suggested, since we were not engaged to marry, it might be best to discontinue the correspondence but he desired to continue it. I did not write him more letters and soon I also left the city and went home. When I arrived home I met a young man who reminded me much of my city acquaintance. He has fallen in love with me but I can never love him. Can you give me helpful advice?—B. M. K.

Aunt Hannah's reply.—I do not understand why you should have severed your relations with the young man you met first in the city. You assign no reason for so doing. If you really love that young man better than any other person it might be well for you to write to him stating that you had made a mistake in cutting off correspondence, or in some way endeavoring to make friends with him again. This last young man whom you have met does not seem to enter into the problem at all since you do not care for him. In all these affairs, in fact all the affairs of life, a frank statement of actual facts and a frank confession of error will often bring about a happy condition.

Each Century Is a New Age in many respects. That which is accomplished to-day was not dreamed of one hundred years ago. I am not very old and yet I can remember the time when there were no shoe factories, when the shoe making was done by a man who traveled through our township stopping a few days or a week at our farm house to make the shoes for the family. No one thought then of buying a pair of shoes ready made for there were no factories. One hundred years ago wool from the backs of sheep did not go to the factory but was made up at the farm into yarn and woven into various kinds of clothing. This necessitated great industry on the part of our forefathers. The girls were not taught to play the piano, or urged to attend boarding school but were kept at home weaving and spinning, or doing other important work. What the coming generation has in store for us is not easily foretold.

"And every living thing was drowned except what went into the ark," explained the Sunday school teacher.

"Fishes, too?" queried a small pupil.

OUR PREMIUM OFFERS



We name below some Premium Offers that will please you. Many of the subscriptions to Green's Fruit Grower expire with November or December issues. Please send your renewals NOW. DO IT NOW, taking advantage of one of these offers, and we will extend your subscription ONE YEAR. We make few offers, but make these exceedingly desirable. All will be sent by mail, postpaid. See our Combination and Clubbing Offers with other papers on another page.

NOTICE:—When you send in your subscription you must in the same letter claim your premiums. If you fail to do this, it will be useless for you to make your claim later, since it is impossible for us to look over 112,000 subscribers to adjust such a small matter. ORDER BY NUMBER ONLY. Figure all subscriptions at 50 cents each, and then get premium for your commission. Plants will be mailed in early spring.

**PREMIUM
No. 1.**

One strong well-rooted vine of the new and remarkably valuable grape vine called The C. J. Green Grape will be sent you by mail postpaid, with Green's Fruit Grower for four years, all for \$1.25.



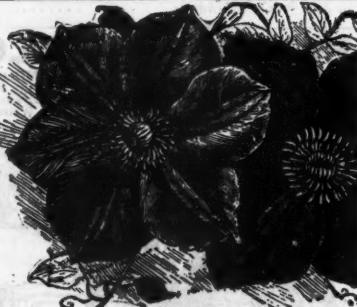
**PREMIUM No. 2.
McPIKE NEW BLACK GRAPE.**

One strong vine of McPike New Black Grape, a seedling of the Warden, fully as vigorous, hardy, and productive. Bunch very large, compact, black with blue bloom: berries mammoth size. The vine of this grape will be sent to all who send us 50¢ for our paper one year, and claim this premium when subscribing.



PREMIUM No. 3.

We will mail you six plants of Green's New Un-named Strawberry, pineapple flavor, large, productive, and vigorous, and Green's Fruit Grower one year, all for 50 cents.



**PREMIUM No. 10.
Two Clematis Vines**

One each of the following varieties:

Mad. Ed. Andre.—A distinct crimson red color, a very pleasant shade and entirely distinct from all others.

Jackmanni.—The flowers of this variety when fully expanded, are from four to six inches in diameter. Color, violet purple.

One each of the above vines will be sent to all who send us 50 cents for our paper one year, and claim this premium when subscribing.



PREMIUM No. 4.—A SCIENTIFIC MICROSCOPE.

This microscope is specially imported from France. As regards power and convenient handling, good judges pronounce it the best ever introduced for popular use. The cylindrical case is manufactured from highly polished nickel, while there are two separate lenses—one at each end of the microscope. The larger glass is a convex magnifier, adapted for examining insects of various kinds, the surface of the skin, the hair, fur, or any small articles. The other lens is exceedingly powerful and will clearly delineate every small object entirely invisible to the naked eye. Every farmer, family, school, and teacher should own a microscope. Send us 60¢ for microscope and subscription to Green's Fruit Grower one year.

PREMIUM No. 5.



TREE AND GRAPE VINE PRUNER.

We offer the Levin Pruning Shears, being well tested by Chas. A. Green, best of all pruners, to all who send us 75¢ for our paper one year, who claim this premium when subscribing.

**PREMIUM No. 6.
Rubber Stamp**

with your name and address. This is a valuable premium. It is a nickel-plated machine which you can carry in the pocket, with self-inking rubber type, which stamps your name and address on envelopes, letter heads, etc., so that your letters cannot go astray. Sent to all who send us 60¢ for our paper one year, who claim this premium when subscribing.

PREMIUM No. 7.



Ten strong plants of this valuable strawberry, perfect blossoming variety, of largest size, fine color, firm, and productive, will be sent free to all who send us 50 cents for our paper one year, who claim this premium when subscribing.

PREMIUM No. 9.

Two in One—Combined Pruning and Budding Knife.



This beautiful pattern, buck handle, razor steel, Combination Pruner and Budger, should be in every man's pocket who grows fruit. We offer it with Green's Fruit Grower for two years for \$1.00.

PREMIUM No. 11.

4 Red Cross Currant Plants

Four well-rooted plants of the new Red Cross Currant, the largest and most productive red currant, very vigorous in growth, clusters long, will be sent to all who send us 50 cents for our paper one year, who claim this premium when subscribing.



**PREMIUM No. 12.
ONE NIAGARA PEACH TREE.**

A new peach ripening one week earlier than Elberta, remarkably free from yellows and leaf curl, and cannot be surpassed in healthfulness and vigor. It is of large size, beautiful, and better in quality than Elberta. One tree will be sent to all who send us 50 cents for our paper one year, and claim this premium when subscribing.

Mandy's Jined the Club.

Wall, the fever's got ter Bushy, it hez found us here at last, An' looks ter me as if our peace an' cum-fer naow wus past. I've been readin' in the papers 'baout the clubs thet wimmen jined, An' naow, thinks I, our wimmen folks won't want ter be behind; An', sure enough, they're boomin' 'em with all their might an' main. They talk about 'em night an' day, They they've got 'em on the brain. I tell yer what, it ain't no joke—I hev ter git my grub sewn on trouser buttons, tew, sence Mandy jined the club.

They study up the humly weeds a-growin' 'round a stump, An' calkerlate haow many feet a grasshop- per kin jump. The bedroom is a "hoodwar" naow, a wrapper's a "neglijay." Oh, I'm sick of this tomfoolery I'm hearin' every day. I woun't wonder if they faound some fancy name fer soot. But Mandy she gits hoppin' mad 'cause I jes say "Cat's foot!" I sposse nex' Monday mornin' I'll be washin' in the tub, Fer I ain't surorised at nothin' naow sence Mandy jined the club.

—Katherine L. Danher in Boston "Globe"

Hunting Buffaloes.

"A party of fourteen of us were going south from Fort Kearney, Neb., on foot, with two mule teams to haul our camp equipment and supplies," related Mr. Richards. "One afternoon we were making our way leisurely along a ridge, when we suddenly descried on the summit of another ridge a huge black line at least a half mile in length. Those of us who had not been on the plains before could not make out what this line was, but we were informed by the chief of our party that it was a herd of buffalo.

"We could see plainly enough that with our heavily loaded teams we could not get beyond it. Our chief therefore promptly called a halt, gave orders that the two wagons be brought up close together, one behind the other and directed that the mules be unhitched, placed behind the wagons on the side opposite that from which the buffalo were coming and securely fastened to the wheels. Then one man was detailed to each mule to keep it as quiet as possible, while ten of us were instructed to fill our pockets with cartridges, form a line, go out to meet the buffalo and try to split them and keep them divided until they passed the wagons.

"The Spencer carbines with which we were armed shot a .50-caliber bullet with a charge of powder much too light for that weight of load and that kind of game. We went back some 300 yards from the wagons and opened fire. The rear end of the herd had not yet come up over the opposite ridge, so that we were confronted by a mass of buffalo half a mile long on the front and extending at least that far back. The animals were coming toward us at what was only a fast walk until we opened fire, and then broke into a gallop. To stop them was out of the question, for those in front were urged forward by those behind.

"I recall distinctly that when I fired my first shot, the front of the line being about 200 yards from us, I thought I had struck a horn, but when I had fired several shots and heard them all strike I knew I was hitting something besides horns. I thought noise might be of benefit at this time, so having good lungs I exerted them to the utmost, joined at once by the rest of the firing party. And my theory worked out all right. The noise of our guns and of our voices, with what execution our bullets were doing, caused the herd to divide and pass to each side of us. But we soon found ourselves in a precarious situation. When the herd was first split, the buffalo could see as well as hear us, and they veered off either way, but those that were following created such a noise themselves and raised such a cloud of dust that they could hardly see or hear us, and soon began to crowd in on us in a way exceedingly disquieting.

SITUATION EXCITING.

The animals were being forced backward and in and upon each other to such an extent that it became doubtful whether we were going to succeed in our effort. If we should fail it meant that we would be trampled under foot and the entire party as well as the outfit wiped off the face of the earth. We had been forced into a solid line and were splitting the herd, because we would not be doubled up or give way on either side. We had been going back foot by foot, had few cartridges left and it was becoming evident that we could not hold

out much longer when our backs came in contact with the wagons, and almost at the same instant we saw daylight ahead of us, and there was the end of the herd. The most remarkable thing about the whole affair was that when the herd had passed and the dust had settled there were only two dead buffaloes lying upon the plains, while more than 300 shots had been fired.

"Having a small supply of water in our wagons, we camped at the place where the fight had taken place, but got little sleep, as the herd stopped within a short distance of us. On account of the wounded buffalo and smell of fresh blood, they were in a state of turmoil all night, while the wolves—both coyotes and the large gray animals—kept up an incessant howling all night long. We moved on the next morning in good order with plenty of buffalo meat, the first we had obtained upon the trip.

"The buffalo is, under ordinary circumstances," continued Mr. Richards, "a docile animal, neither aggressive nor combative, but I had some experience with the animal which went to show that when aggravated they are dangerous. I found that ordinarily a buffalo, like any other wild animal with which I have had experience, will run from a hunter when given an opportunity, and that when wounded it will not ordinarily charge a man from a greater distance than about fifty yards. On one occasion I met one which was an exception to this rule, however. I was hunting on foot with a Henry rifle. Buffalo were not plentiful in the locality, but I finally sighted an old bull lying down on the plains. Hunting on foot, I needed meat badly, and could not afford to let this old fellow get away. I worked around directly behind him. Buffalo are not wary when lying down, and I approached to within about 150 yards, when I concluded I was about as close as I cared to be, took aim and fired.

"My bullet struck the sloping surface on a rib, made a slit in the hide and did no further damage. The old fellow jumped up and started to run at right angles to the line I was following, giving me a good shot at his side. I fired, but having underestimated the distance, the ball dropped and struck him just above the hoof of the foreleg. He then turned and came straight for me.

A FORTUNATE SHOT.

"There was nothing for me to do but to hold my ground and shoot. I could hear every ball strike him. He came on without the least hesitation, and I kept shooting as fast as I could, but after a few shots I became much alarmed respecting the number of cartridges remaining in my magazine. I had no time to look to see whether I was throwing in a cartridge every time I threw down the lever. Just as I was about to pull the trigger for another shot he stopped. He was so near I could have thrown my hat on his horns.

"The old fellow certainly presented a most terrifying aspect. I found two or three bullets in his foretop, flattened on his skull, while the ball which killed him had passed along the side of his neck and entered his body between the neck and the shoulder blade. But for that one fortunate shot, this story probably would never have been told."—Washington "Star."

Five million dollars a day is a snug sum for the people of a single country to realize as the sale of the products of their farms, factories, forests, fisheries and mines. The exports of domestic products of the United States in the month of October, 1903, averaged more than \$5,000,000 for every day in the month, and for every business day in the month averaged practically \$6,000,000 a day. The total exports of the month, as shown by the figures of the department of commerce and labor through its bureau of statistics, amounted to \$160,370,059, which would average more than \$5,000,000 for every day in the month and practically \$6,000,000 for each business day in the month. From the port of New York alone the exports of the month were \$51,867,942, or nearly \$2,000,000 for each business day of the month. This exportation in October, amounting to \$160,000,000, exceeds that of any preceding month in the history of our commerce, with the single exception of October, 1900, when the total was \$162,389,680. For the ten months ending with October, the total exports were \$1,149,694,933, and for twelve months ending with October the total was \$1,422,887,954. These totals for ten and twelve months, respectively, are larger than in any preceding year except 1901 and 1900, in which ten and twelve months totals slightly exceeded those of the present year.

"Now that I've met Brown's wife I quite understand why he is so dictatorial at the office. He has to have some place where he can show authority."—Chicago "Post."

DON'T SEND US A CENT

We Prepay All Transportation Charges, and deliver this ideal

STANDARD WASHER

direct to your door without asking you for a penny in advance. Just drop us a line, stating that you need or can use a washer in your family, and we will immediately ship one with all transportation charges prepaid.

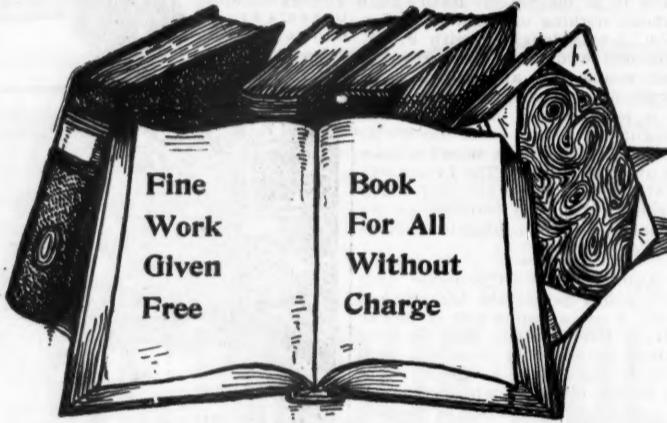
**30
DAYS
FREE
TRIAL**



A STANDARD WASHER
is different from any other you ever saw. It cleans the clothes of a small wash as well as a large one. It takes the dirt as thoroughly out of the wristbands, neckbands, collars, etc., as it does out of sheets, pillow cases and table cloths. It will wash one pair of socks as cleanly as will a tubful of sheets. With the double rotary motion you do the same amount of cleaning with ONE HALF the amount of labor and within a quarter of the time that any other washer requires. We don't ask you to accept our word for this, we simply want an opportunity to prove to you, without asking for a cent of your money, that our Standard Washer will do all that

we claim for it. It don't cost you a cent to make the test, we deliver it free of charge right to your door. You keep it and try it for thirty days. If you do not find it does all and even more than we claim for it, if you don't find it to be the easiest working machine you ever saw or heard of, if you don't say after thirty days' trial, that it is a heaven-sent blessing to every woman who has to wash clothes, then we will be glad to make you a present of the machine, free of any charge whatever. If you want us to send a washer **FREE ON TRIAL**, for use in your own family, or if you want to act as our agent in your neighborhood, send us your name and address and you will hear from us by next mail.

WIARD MFG. CO., 63 West Ave., East Avon, N. Y.

**A FINE BOOK FREE**

A splendid new book—a work that will be of tremendous, incalculable value to all who receive it—is just been issued at a cost of over \$5000 by a distinguished specialist, a man famous in Europe and America for his noble scientific and humane work. Regardless of the great expense of publishing this work, its author will give away 15,000 copies, absolutely free of charge. The work could easily win him, he now offers it free to all who ask for it.

The information in its pages will save thousands of lives. Written by a man heart and soul in earnest in his great work of fighting disease, its lines fairly throb with purpose and truth. With skillful hand he lays bare the beginnings of this loathsome, treacherous disease—he traces all its hidden workings—he shows the awful dangers to which it leads—he points out the way to a safe and lasting cure—the only one—that terrible scourge of North America—Catarrh. Fine pictures by the best artists illustrate the different phases of the disease and the various organs affected by it, in an exceeding clear and interesting manner.

SEND FOR THE BOOK AT ONCE

Do not delay as the edition is going rapidly. The demand for the book is enormous. Everybody wants it. Already grateful letters are coming back from those who have received it. It is doing all and more than

DR. SPROULE, B. A., (Graduate Dublin University, Ireland, formerly Surgeon British Royal Naval Service,) 11 to 15 Doane St., Boston, Mass., and you will receive this valuable book free of all charge.

NAME.....

ADDRESS.....

HAVE RICH MELLOW LAND.

That condition is sure to follow through draining and Severe Pipe, Red and Fire Brick, Oven Tile, Chimney and Flue Linings and Tops, Encaustic Sidewalk Tile, etc. Supply Mortar Colors, Plaster, Lime, Cement, etc. Write for prices. John H. Jackson, 102 2nd Av., Albany, N. Y.



THIS LITTLE BOOK, under paper cover, gives the experience of the editor of Green's Fruit Grower in beginning and succeeding at fruit culture on a fertile but run down farm, after having spent fifteen years behind a bank counter in a large city. Those who are about to begin fruit growing will get many suggestive hints and words of encouragement by reading this book, containing sixty-four pages, well illustrated. We will mail this book, postpaid, for twenty-five cents, or will send it as a premium to all who send fifty cents for Green's Fruit Grower one year, and claim this premium when subscribing.

**COSMOPOLITAN MAGAZINE
VICK'S MAGAZINE
and GREEN'S FRUIT GROWER**

ALL FOR \$1.00

Address GREEN'S FRUIT GROWER, Rochester, N. Y.

Hush
k
Long
Brook
so
Nod
g
Baby,
Song
the
Sleep
ci
Husha
Reddi
for
White
the
Brus
go
Baby,
Cold
m
Warm
Hush

As
remedy
that
A ba
neurall
lar affe
and ha
teaspoone
of hone

Salt a
the teet
tions w
dentifrice
taken in
gives gr
bus add
pepper
For
orders
will pro
colic a
cold wa
en a spee
en befor
West In
of salt,
a comin
phia "L

New
multitud
by natur
the lie-a
cuttle-fis
famed fo
its abilit
eyes, as
ends of
or thrus
ease and
by any s
the crea
stumps,
afresh, f
cases, an
lenses at

In the
lost his
ing more
his bill, an
construct
appliance
the snail
hospital
goes mer
on a ten
month.

Few in
members,
found min
nae. This
most in
matured
ceases, an
that unc

Two in
from larv
out any g
replace lo
begin life
each, and
joints to
brittle, an
but are re
arising fro
a variation

OUR CL
NEW
NOTICE
Farmer W
one year
not be ove
that our
Farmer W
Grower fo

A Romany Lullaby.

Hushaby, hushaby. Sheep bells are tinkling;
Long lie the shadows on meadow and fold;
Brooks babble drowsily, while crocus blossoms
Nod o'er the ripple, their nightcaps of gold.

Baby, now hushaby. List to my singing,
Songs that thy grandmother learnt from the moon,
Sang to thy mother, thus wakeful before thee,
Sleep in thy turn, baby, sleep while I croon.

Hushaby, hushaby. Flickering camp fires Redden the dewdrops on meadow and fold; White moths brush lightly my cheek as they hover, Brushing my cheek are thy lashes of gold.

Baby, now hushaby. Sleep to my singing. Cold lie the sheep underneath the white moon, Warmly my little bird nestles besides me. Hushaby, lullaby. Sleep while I croon.
—E. D. C., in "Evening Star."

Properties of Salt.

As a general all-round household remedy, there is nothing more valuable than salt.

A bag of hot salt is very soothng in neuralgia, toothache, earache and similar affections. In croup it is a reliable and harmless remedy, the dose being a teaspoonful mixed with a tablespoonful of honey, frequently and freely.

For a sprain nothing will give relief more quickly than cold salt water; swelling may often be reduced very quickly by frequent bathing of the part affected in strong brine, and, taken moderately, it is an antidote for alcoholic poison. It is an excellent hair tonic.

Salt and water will remove tartar from the teeth, and, mixed with equal proportions with soda, salt makes an excellent dentifrice. In cases of dysentery salt, taken in vinegar and hot water, usually gives great relief, and for cholera morbus add a teaspoonful of the strongest pepper to the dose.

For dyspepsia and many other disorders of the stomach salt and water will prove an effective remedy; and for colic a teaspoonful in half a cupful of cold water, taken as soon as possible, is a speedy cure. The same quantity taken before breakfast is very good. The West Indian negroes declare that plenty of salt, administered at once, will stop a coming attack of cholera.—Philadelphia "Ledger."

New Eyes Developed.—That "mixed multitude" of animals classed together by naturalists as mollusks, which include the lie-abed oyster and the wide-awake cuttle-fish, contains also the snail, far-famed for its marvelous speed, its habit of evading the ground landlord by carrying its house on its shoulders, and for its ability to open new eyes should the originals be permanently darkened. The eyes, as is well known, are carried at the ends of two horns and can be pulled in or thrust out with more than mechanical ease and precision. If the eyes are lost by any accident, the life which pervades the creature, beginning from the mere stumps, builds up the optic nerves afresh, furnishes them with appropriate cases, and places accurately constructed lenses at the ends.

In the case of a human being who has lost his eyes the ophthalmist has nothing more practical to do than to send in his bill, and the optician is reduced to the construction of glass eyes, or some other appliance to hide the deformity; whereas the snail, treated in the ophthalmic hospital of nature, grows new eyes and goes merrily but sedately to his revels on a tender cabbage leaf under the moon.

Few insects are known to replace lost members, although they are frequently found minus a foot or one of their antennae. This is probably due to the fact that most insects emerge suddenly into the mature form, when growth practically ceases, and it is in the immature stage that uncommon growth is most marked.

Two insects, however, which grow from larvae to perfect individuals without any great change of form, are able to replace lost antennae or legs. Earwigs begin life with antennae of eight joints each, and by subdivision increase the joints to fourteen. The antennae are brittle, and joints frequently break off, but are readily replaced, the disturbance arising from the fracture often producing a variation from the usual number.

OUR CLUBBING OFFER WITH THE NEW YORK TRIBUNE FARMER.

NOTICE that 50 cents pays for the Tribune Farmer Weekly and Green's Fruit Grower for one year. This is a proposition that should not be overlooked by our readers. Remember that our offer is to send you the Tribune Farmer Weekly for 1 year and Green's Fruit Grower for 1 year, all for 50 cents.

Liquozone is the only way known to kill germs in the body without killing the tissues, too. It is the only way to end the cause of any germ disease. It is also a vitalizing tonic with which no other known product can compare.

It is new in America, and millions who need it don't know of it. For that reason, we make this remarkable offer. We will buy the first bottle and give it to you if you need it. We will do this gladly to let the product itself show you what it can do.

We Paid \$100,000

for the American rights to Liquozone—the highest price ever paid for similar rights on any scientific discovery. We did this after testing the product for two years, through physicians and hospitals, in this country and others. We paid it because Liquozone does what all the skill in the world cannot do without it. Any drug that kills germs is a poison, and it cannot be taken internally. Every physician knows that medicine is almost helpless in any germ disease.

Not Medicine.

Liquozone is the result of a process which, for more than 20 years, has been the constant subject of scientific and chemical research. Its virtues are derived solely from gas, made in large part from the best oxygen producers. By a process requiring immense apparatus and 14 days'

time, these gases are made part of the liquid product.

The result is a product that does what oxygen does; and oxygen is the very source of vitality, the most essential element of life. The effects of Liquozone are exhilarating, vitalizing, purifying. Yet it is a germicide so certain that we publish on every bottle an offer of \$1,000 for a disease germ that it cannot kill. The reason is that germs are vegetables; and Liquozone—like an excess of oxygen—is deadly to vegetable matter. That is why Liquozone kills every disease germ, and with a product which to the human body is life.

Germ Diseases.

These are the known germ diseases. All that medicine can do for these troubles is to help Nature overcome the germs, and such results are indirect and uncertain. Liquozone kills the germs, wherever they are, and the results are inevitable. By destroying the cause of the trouble, it invariably ends the disease, and forever.

Asthma	Hay Fever—Influenza
Abscess—Anemia	Kidney Diseases
Bronchitis	La Grippe
Blood Poison	Leucorrhœa
Bright's Disease	Liver Troubles
Bowel Troubles	Malaria—Neuralgia
Coughs—Colds	Many Heart Troubles
Consumption	Piles—Pneumonia
Colic—Croup	Pleurisy—Quinsy
Constipation	Rheumatism
Catarrh—Cancer	Skin Diseases
Dysentery—Diarrhoea	Scrofula—Syphilis
Dandruff—Dropsy	Stomach Troubles
Dyspepsia	Throat Troubles

Eczema—Erysipelas
Fever—Gall Stones
Goitre—Gout
Gonorrhœa—Gleet

Tuberculosis
Tumors—Ulcers
Varicose—Women's Diseases

All diseases that begin with fever—all inflammation—all catarrh—all contagious diseases—all the results of impure or poisonous blood.

In nervous debility Liquozone acts as a vitalizer, accomplishing what no drugs can do.

50c. Bottle Free.

If you need Liquozone, and have never tried it, please send us this coupon. We will then mail you an order on your local druggist for a full-size bottle, and we will pay your druggist ourselves for it. This is our free gift, made to convince you; to show you what Liquozone is, and what it can do. In justice to yourself, please accept it to-day, for it places you under no obligation whatever.

Liquozone costs 50c. and \$1.

CUT OUT THIS COUPON

for this offer may not appear again. Fill out the blanks and mail it to the Liquid Ozone Co., 458-460 Wabash Ave., Chicago.

My disease is
I have never tried Liquozone, but if you will supply me a 50c. bottle free I will take it.

M102 Give full address—write plainly.

Any physician or hospital not yet using Liquozone will be gladly supplied for a test.

Good Buggies and How They Are Made

The above is the title of my new book which has just been published. It should be in the hands of every buggy user, as it not only treats fully on the construction of a buggy from the ground up, but teaches the reader how to tell a good buggy from a poor one. No matter whether you intend buying a new buggy now or later on, this book contains information that will be of great value to you, as it not only tells you what to look for and every part of the buggy is made, illustrates by photographs, taken from our factory, the method of making and finishing the different parts. If you have never had the opportunity to go through a large carriage factory and see just how the work is done, this is a chance for you to do the next best thing, in fact this really gives you a greater opportunity to study the different methods of construction than you would have in a hurried trip through a factory. The regular price of the book is FIFTY CENTS, but for a limited time only it will be sent absolutely free of charge, postage paid, to any reader of this paper, who will answer and mail the coupon below. Address:

H. C. PHELPS, President and Treasurer,
The OHIO CARRIAGE MANUFACTURING COMPANY,
208 Sixth Street, Cincinnati, Ohio.

Cut out this Coupon and Mail

Of whom did you buy your last buggy?

When will you buy a new one?

Have you one of our Catalogues?

If not, would you like to have one, with complete information of our plan of selling our vehicles, direct from factory to consumer, at wholesale

prices and on thirty days Free Trial?

Name.....

Town.....

State.....

Rural Route.....

Welding Axles.

Hand Rubbing of Body.

Better Than Gold.

Better than grandeur, better than gold,
Than rank or titles, a hundred fold,
Is a healthful body, a mind at ease,
And simple pleasures that always please.
A heart that can feel for a neighbor's woe,

And share in his joy with a friendly glow,
With sympathies large enough to infold
All men as brothers, is better than gold,

Better than gold is the sweet repose
Of the sons of toil when their labors close;
Better than gold is the poor man's sleep
And the balm that drops on his slumbers deep.

Better than gold is a thinking mind,
That in realms of thought and books can find
A treasure surpassing Australian ore,
And live with the great and good of yore.

Better than gold is a peaceful home,
Where all the fireside charities come—
The shrine of love and the haven of life,
Hallowed by mother, or sister, or wife.
However humble that home may be,
Or tried with sorrows by Heaven's decree—
The blessings that never were bought or sold,
That center there, are better than gold.

—Alexander Smart in New York "Witness."

"Here's to that bundle of sentient nerves, with the heart of a woman, the eye of a gazelle, the courage of a gladiator, the docility of a slave, the proud carriage of a king, the blind obedience of a soldier; the companion of the desert plain; that turns the moist furrows in the spring in order that all the world may have abundant harvest, that furnishes the sports of kings, that with blazing eye and distended nostril fearlessly leads our greatest generals through carnage and renown, whose blood forms one of the ingredients that go to make the ink in which all history is written, and who finally, in black trappings, pulls the humblest of us to the newly sodded 'threshold of eternity.'—Rider and Driv-

vitality of the leaf to a degree not possible in England, where Indian summer is rare.

Apples for Children.—A letter says: "Why don't you say more about the value of the apple as food?" One of our ablest teachers says that he wishes that the school luncheon could be confined to apples. He is satisfied that it would be better for the health and the school work of the children. He says, "I wish that plenty of apples could be supplied to every school boy and girl; for I am assured that better health, and consequently better morals would be the result." "Some one else recommends that barrels of apples, where there is a surplus stock, be sent in by the growers to the graded schools. "Let these be placed in charge of the teachers to be used with entire freedom by the children at the noonday luncheon." If this would work well in the country schools it would work far better in the city schools.—"Tribune."

Human companionship counts for so much in this life; but, after all, the sharpest corners are to be turned alone.—Elizabeth Stuart Phelps.

Much interest has lately been aroused in London by two surgical operations which have resulted in a marked change of character in the patients. One was that of a boy of good family who had developed strangely brutal instincts. A clever surgeon examined him with care, locating what he considered the seat of the trouble, removed a piece of the skull and thus relieved the deforming pressure. The lad was restored to his parents a normal and lovable child. The other case was that of a soldier who, after an injury in a skirmish, developed a propensity for theft. An operation on the brain cured him.

Some Up to Date Fashions

For the convenience of the ladies in the homes of our subscribers we have made arrangements with one of the largest and most responsible manufacturers of patterns to offer some of their reliable patterns at the nominal price of 10c each. We have tested these patterns and take pleasure in recommending them to our readers.

4623—The quantity of material required for the medium size is 10 1-4 yards 21 inches wide, 5 yards 44 inches wide or 4 1-4 yards 52 inches wide, with 2 1-4 yards all-over lace, 6 yards fur and 6 1-4 yards of lace to trim as illustrated.



4623 Evening Coat,
32 to 40 bust.



4610 Military Coat,
32 to 40 bust.

4610—The quantity of material required for the medium size is 4 1-4 yards 44 inches wide or 3 5-8 yards 52 inches wide.

4626—The quantity of material required for the medium size is 4 yards 21 inches wide, 3 3-4 yards 27 inches wide or 2 1-4 yards 44 inches wide.



4626 Tucked Blouse,
32 to 40 bust.



4627 Misses' Shirt
Waist, 12 to 16 years.

4627—The quantity of material required for the medium size is 4 1-4 yards 21 inches wide, 3 1-2 yards 27 inches wide or 2 yards 44 inches wide.

4628—The quantity of material required for the medium size is 3 1-4 yards 27 or 36 inches wide when made without a seam, 3 1-4 yards 27 or 2 1-4 yards 36 inches wide when made with a seam, with 2 yards 21 or 1 yard 27 or 36 inches wide for bands.



4613 Invalid Wrap,
32, 36, 40 bust.



4624 Five Gored
Flare Skirt,
22 to 36 waist.

4624—The quantity of material required for the medium size is 7 1-2 yards 21 inches wide, 4 yards 44 inches wide or 3 1-2 yards 52 inches wide when material has figure or nap; 3 1-4 yards 44 or 2 3-4 yards 52 inches wide when material has neither figure or nap.

4605—The quantity of material required for the medium size (10 years) is 4 1-2 yards 21 inches wide, 3 3-4 yards 27 inches wide or 2 1-2 yards 44 inches wide, with 1 7-8 yards 36 inches wide for guimpe.



4605 Girl's Box Plaited
Suspender Costume,
6 to 12 years.



4608 Stole Collar,
one size.

4609—To cut either one will be required 1 1-2 yards 27 inches wide.
The pattern 4609 is cut in the medium size only.

To get BUST measure put the tape measure ALL of the way around the body, over the dress close under the arms.

Order patterns by numbers, and give size in inches. Send all orders to GREEN'S FRUIT GROWER, Rochester, N. Y.

First Principles.
Written for Green's Fruit Grower by Walter Scott Haskell.

God, the eternal, had no beginning; therefore Creation has to do with things which had a beginning—temporal things. Logic assumes that the "I am" of Deity, is at the center of the wheel of Deific thought; and that time and manifestation is the circumference. At the center of every wheel, is a point where motion ceases; and at the center of Deific consciousness is a presumed point where consciousness ceases—a negative state, unilluminated to the Deific eye. Unilluminated because it is the eye, and the eye cannot see itself except it be reflected.

This is the Mother darkness out of which comes the light. In this negative sea of calm—the womb of Deific thought—divine ideation has its birth. By the eternal inherent law, the Mother conceives immaculate and brings forth the object of her desire—expression. The Son thus born of the Mother, proves to be the Father of Light. Hence, the Father and the Son are one from the very inception of Deific thought.

Light is positive; darkness is negative. Deific ideation is, therefore, negative and impersonal; while the thought engendered by ideation—the Son and Father of light—is positive and personal. God, then, is impersonal in a Maternal sense, and personal in a Paternal sense. But the spirit of the Father reaches human intellects through the operation of the law involving the ideation of the Mother; hence the relation of Deity to mortals would seem to be impersonal. The "still small voice" reaches us in the calm, from the side of ideation—love; and not from the positive thinking mind immersed in the whirl and delusion of mundane thought. Hence, the emotional nature, is the receptive side of the mind's activities and should never be unduly suppressed.

All of the visible is delusion; because the real is never seen with the naked eye. God cannot be seen, but his qualities can be sensed through the things visible and temporal; as, the beauty of the landscape; the majesty of the sea.

God is everything; but appearances are deceptive. I am something, therefore a part of the everything. I am God in essence, because a part of the indivisible, but I am only a mortal in expression. The light of the All-knowledge is dormant within me; it shines forth only as I learn to perceive it. My light is mortal, but the sparks that fly upward, are immortal.

God speaks in nature, and His voice is as a calm summer's day. His work is to perpetuate the present. It is a labor of love, and therefore not work, but play.

Love of life is the mainspring of life. Every thought that goes out from God must return, a self-conscious radiant center like unto its parent; in truth, the parent with life renewed, the eternal present perpetuated.

Horticultural Briefs.

Fresno county, Cal., raisin crop is now estimated at 80,000,000 pounds. Only a few years ago we imported all our raisins.

Since the commencement of the apple season the Atlantic Transport line has shipped 120,000 barrels to London.

The garden plot may be changed every two or three years in order to prevent disease of plants. The plot for the garden should be selected at this season of the year.

The California fruit cannery plant at Santa Rosa this season put up 3,672,576 cans of berries, fruits and tomatoes.

The largest shipments of apples which ever left New York recently arrived in Bremen on the North German Lloyd steamer Main, which sailed from New York November 19th. It consists of 22,929 barrels and 1,540 boxes.

Long years ago, says California Cultivator, a little band of Jesuit padres at San Gabriel planted the first cuttings of grape vines in California, and from these few chance cuttings brought from sunny Spain has grown the wine industry of the state.

A California rancher says that every blackbird is worth \$5 to the fruit grower as a pest destroyer.

The net value of the grape crop in Fresno county annually is about \$2,500,000. Cost of production, \$25 an acre. Gross returns an acre, about \$125.

Up to November 14th the Fresno Raisin association had received 46,000 tons of raisins, which the California Cultivator says is 550 tons in excess of last year. The amount paid for the year's product is \$2,400,000.

It is said there will be 4,000 orchids shown at the World's fair from Filipino land alone. They were gathered by Dr. Gustave Niederlein in various islands of the archipelago.

When a man makes an ostentatious display of his wealth he advertises himself as an easy mark.

SAVE MONEY

SEND YOUR SUBSCRIPTION THROUGH US.

OUR CLUBBING LIST.

By special arrangement we are enabled to offer yearly subscriptions to the following publications, together with a year's subscription to Green's Fruit Grower, at reduced prices for the combination. The prices are net, and no premiums are given. Each order must include one subscription to Green's Fruit Grower.

Where more than one of the papers is wanted, a deduction of 25 cents from the clubbing price will be allowed for each additional publication desired, thus giving but one subscription to Green's Fruit Grower.

Regular Price for Both the Two.	NAME OF PAPER AND PLACE OF PUBLICATION.	Our Price for Both.	Regular Price for Both the Two.	NAME OF PAPER AND PLACE OF PUBLICATION.	Our Price for Both.
(\$sw.) semi-weekly, "w." weekly, "sm." semi-monthly, "m." monthly.)			(\$sw.) semi-weekly, "w." weekly, "sm." semi-monthly, "m." monthly.)		
\$1.00 Agricultural Epitomist, Spencer, Ind.	Agricultural Epitomist, Philadelphia, m.	\$1.50	\$1.00 Table Talk, Philadelphia, m.	Table Talk, Philadelphia, m.	\$1.20
1.00 Agricultural Experiments, Minneapolis.	Tennessee Farmer, Nashville, Tenn.	1.50	1.00 Tennessee Farmer, Nashville, Tenn.	Tennessee Farmer, Nashville, Tenn.	.85
1.50 American Agriculturist, New York.	Texas Farmer, Dallas, w.	1.50	1.00 Texas Farm Journal, Dallas, w.	Texas Farm Journal, Dallas, w.	.60
1.50 American Bee Journal, Chicago, (new).	Texas Stockman and Farmer, Dallas.	1.50	1.00 Texas Stockman and Farmer, Dallas.	Texas Stockman and Farmer, Dallas.	.55
1.00 American Farmer, Indianapolis.	The Farmer's Wife, Winona, Minn.	1.00	1.00 The Farmer's Wife, Winona, Minn.	The Farmer's Wife, Winona, Minn.	1.25
2.00 American Inventor, Washington, D. C. s.m.	Up-to-Date Farming, Indianapolis.	1.55	1.00 Up-to-Date Farming, Indianapolis.	Up-to-Date Farming, Indianapolis.	.60
2.00 American Gardening, New York.	Vegetarian, Chicago, m.	1.00	1.00 Vegetarian, Chicago, m.	Vegetarian, Chicago, m.	.85
1.50 American Mother, Battle Creek.	Vick's Family Mag., Rochester, N. Y.	1.25	1.00 Vick's Family Mag., Rochester, N. Y.	Vick's Family Mag., Rochester, N. Y.	.50
75 American Poultry Advocate, Syracuse.	Western Fruit Grower, St. Joseph, Mo.	.85	1.00 Western Fruit Grower, St. Joseph, Mo.	Western Fruit Grower, St. Joseph, Mo.	.80
1.00 American Poultry Journal, Chicago.	Wisconsin Agriculturist, Racine, Wis. (new).	.45	1.00 Wisconsin Agriculturist, Racine, Wis. (new).	Wisconsin Agriculturist, Racine, Wis. (new).	.80
1.50 American Sheep Breeder, Chicago.	Woman's Farm Journal, St. Louis.	.60	1.25 Wisconsin Farmer, Madison, w.	Wisconsin Farmer, Madison, w.	.85
1.00 American Swineherd and "The Hog Doctor," Chicago.	Woman's Home Companion, Springfield, O.	1.10	1.00 Woman's Home Companion, Springfield, O.	Woman's Home Companion, Springfield, O.	.40
2.50 Breeders' Gazette, Chicago.	Woman's Magazine, St. Louis.	1.35	1.00 Woman's Magazine, St. Louis.	Woman's Magazine, St. Louis.	.40
1.50 Creamery Journal, Waterloo, Iowa.	Woman's Poultry Journal, Cedar Rapids.	1.20	1.00 Woman's Poultry Journal, Cedar Rapids.	Woman's Poultry Journal, Cedar Rapids.	.75
2.00 Country Gentleman, Albany.	Woman's Tribune, Washington, D. C.	1.25	1.00 Woman's Tribune, Washington, D. C.	Woman's Tribune, Washington, D. C.	1.10
1.50 Dairy World, Chicago.	Woman's Work, Athens, Ga.	.90	1.00 Woman's Work, Athens, Ga.	Woman's Work, Athens, Ga.	.60
1.50 Farm, Field and Fireside, Chicago.	World's Events, Dansville, N. Y.	.95	1.00 World's Events, Dansville, N. Y.	World's Events, Dansville, N. Y.	.75
1.00 Farm and Fireside, Springfield, O.	Youths' Companion, (new), Boston.	.55	2.25 Youths' Companion, (new), Boston.	Youths' Companion, (new), Boston.	2.10
1.00 Farm and Home, Springfield, Mass.		.60			
1.50 Farm and Ranch, Dallas.		1.10			
1.00 Farm Journal, Philadelphia.		1.50			
1.00 Farm News, Springfield, O.		1.50			
1.50 Farm Poultry, Boston.		1.75			
1.00 Game Fanciers' Journal, Battle Creek.		1.50			
1.50 Gleanings in Bee Culture, Medina, O.		1.50			
1.50 Gentlewoman, New York.		1.50			
85 Good Literature, New York.		1.50			
85 Green's Fruit Grower. (See Premium List).		1.50			
1.50 Hoard's Dairyman, Ft. Atkinson, Wis.		1.00			
1.00 Home and Farm, Louisville, Ky.		1.00			
1.00 Home and Flowers, Springfield, O.		1.00			
1.10 Housekeeper, Minneapolis.		1.20			
1.00 Independent, New York.		2.20			
1.10 Illustrator of Int. S. S. Lessons, Chicago.		3.00			
1.50 Irrigation Age, Chicago.		1.50			
1.50 Indiana Farmer, Indianapolis.		1.50			
1.50 Iowa Homestead, Des Moines, Ia.		1.50			
1.00 Journal of Agriculture, St. Louis.		1.50			
1.50 Kansas Farmer, Topeka.		1.50			
1.50 Ladies' World, New York.		1.50			
4.50 Ladies' Weekly, New York.		3.55			
75 Metropolitan and Rural Home, New York.		1.50			
1.10 Michigan Farmer, Detroit.		1.50			
1.00 Michigan Poultry Breeder, Battle Creek.		1.50			
1.00 Missouri Valley Farmer, Topeka.		1.50			
2.00 Mayflower (3 years) Floral Park, N. Y.		1.25			
1.00 National Fruit Grower, St. Joseph, Mo.		1.00			
1.50 National Stockman and Farmer, Pittsburgh.		1.10			
1.50 New England Homestead.		1.10			
1.50 New England Farmer.		1.10			
1.50 New York Tribune Farmer, New York.		1.00			
1.50 Nebraska Farmer, Lincoln.		1.10			
1.50 New York Weekly Witness.		1.10			
1.10 Ohio Farmer, Cleveland.		1.10			
1.00 Ohio Poultry Journal, Dayton.		1.10			
1.00 Orr's Farm and Poultry Review, St. Louis.		1.10			
1.50 Orange Judd Farmer, Chicago.		1.10			
1.50 Overland Monthly, San Francisco.		1.10			
75 Park's Floral Magazine, La Park, Pa.		1.10			
85 People's Home Journal, New York.		1.10			
1.50 Practical Farmer, Phila.		1.10			
1.50 Prairie Farmer, Chicago.		1.10			
1.00 Poultry Herald, St. Paul.		1.00			
75 Poultry Item, Fricks, Pa.		1.00			
1.00 Poultry Keeper, Quincy, Ill.		1.00			
1.00 Poultry Success, Des Moines.		1.00			
1.00 Poultry Tribune, Freeport, Ill.		1.00			
1.00 Practical Poultryman, Fayetteville, N. Y.		1.00			
2.00 Rams Horn, Chicago.		1.40			
1.00 Reliable Poultry Journal, Quincy, Ill.		1.00			
1.50 Rural Californian, Los Angeles.		1.00			
1.50 Rural New Yorker, New York.		1.20			
1.00 Sabbath Reading, New York.		1.00			
1.50 Small Farmer, New York (new).		1.00			
1.50 Southern Cultivator, Atlanta.		1.00			
1.50 Southern Farm Mag., Atlanta.		1.00			
1.00 Southern Planter, Richmond, Va.		1.00			
1.50 Sunday School Times.		1.10			

NEWSPAPERS.	
1.50 Albany Times-Union, Albany.	w. 1.10
1.50 Courier-Journal, Cincinnati, O.	w. 85
1.50 Democrat and Chronicle, Rochester, N. Y.	w. 85
1.50 Detroit Free Press.	s.w. 1.10
1.50 Pioneer Press, St. Paul, Minn.	w. 1.15
1.50 Toledo Weekly Blade.	w. 85
1.50 Tribune Weekly Review, New York.	w. 1.10
1.50 Tri-Weekly World, New York.	w. 1.00
1.50 Weekly Courier-Journal, Louisville, Ky.	w. 85
1.50 Weekly Enquirer, Cincinnati, O.	w. 95
1.50 Weekly Inter Ocean, Chicago.	w. 90

Enclose bank draft on New York, P. O. order or express money order, and your order will be filled. Individual checks not taken.

EDUCATED	

ALL KINDS
It isn't often that the **J** Best costs no More.
Ask for HOOD'S OLD WABASH.
SOLD EVERYWHERE

HOOD RUBBERS
TRADE MARK
HOOD RUBBER COMPANY BOSTON

NOT MADE BY A TRUST
IF YOU CANNOT GET THESE RUBBERS FROM YOUR DEALER—WRITE US

\$200. A MONTH
One reliable man or woman in each county as manager, territorial managers and agents for Harrison's Oil-Gas for cooking and heating. Wonderful invention. Automatically generates fuel gas from kerosene or Miniature Gas Works. Absurd! Standard Thermometer sold 10c. Cheapest, cleanest, safest fuel. Customers delighted. Catalogue FREE. Write today. World Mfg. Co., 5576 World Bldg., Cincinnati, O.

LORD'S PRAYER
Humble Ring. Smallest Ever Coined. Or any Initial engraved Free. Rolled Gold. Warranted 3 years. 100 for either \$10 or \$15 for both. VOKES Mfg. Co., 50 Western Ave., COVINGTON, K.

SAW YOUR WOOD
BURN RUST SAW DOWN
No Backache
weight only 41 lbs.
SAWED JAMES
With a FOLDING SAWING MACHINE. 9 COADS by ONE MAN in 10 hours. Send for FREE Illustrated catalog showing latest improvements and testimonials from thousands. First order receives agency. Folding Sawing Mfg. Co., 55 N. Jefferson St., Chicago, Ill.

FREE GOLD WATCH
This watch has a SOLID GOLD LAID ENGRAVED CASE, AMERICAN MOVEMENT, fully warranted to keep correct time; equal in value to SOLID GOLD WATCH; guaranteed 25 years. We give it ABSOLUTELY FREE to boys and girls of 10 years old and under. Send us your name & age, and we will send you our address and we will positively send you the WATCH or PURSE. EAGLE JEWELRY CO., Dept. 38 CHICAGO.

DIAMOND RING FREE
Magnificent fashions Akbar diamond mounted in the famous Tiffany style setting, finished in 18k. solid gold. Absolutely warranted for years. Send full name and address. We send post paid. 10 Scarf Pins to sell at 10c. each also hand painted list. When sold, return us the money and we send stones above beautiful ring carefully packed in an elegant plush-lined case.

BIRMID JEWELRY CO., 18 Park St., ATTLEBORO, MASS.

BUY THE BENNETT STUMP PULLER TILE DITCHER
Handy Farm Wagon & CORN HARVESTER Cat. each free. H. L. Bennett, Westerville, O.

EVERGREENS
Hardy sorts, Turnery grown, for wind-breaks, ornamental and landscape. Price \$10 to \$100 per 100-50 Great Bargains to select from. Write at once for free Catalogues and Barren Sheet. Local Agents wanted. D. Hill, Specialist, Dundee, Ill.

THE ARNDT Tree Protector
A perfect, inexpensive protection against all creeping and crawling insects. Agents Wanted everywhere. WRITE AT ONCE. Michigan Cut Flower Exchange, WM. DILGER, Manager. Sole Distributors. DETROIT, MICH., U. S. A.

PAGE
DON'T YOU WANT
to try a fence, this year, that will stay in better shape for years than the one you put up last year is now? A trifling extra cost will buy the PAGE.

Page Woven Wire Fence Co., Box 78, Adrian, Mich.

NOW DEPOSITED IN THE BANK
\$75,000.00
IN CASH GIVEN AWAY.

To arouse interest in, and to advertise the GREAT ST. LOUIS WORLD'S FAIR, this enormous sum will be distributed. Full information will be sent you ABSOLUTELY FREE. Just send your name and address on a postal card and we will send you full particulars.

World's Fair Contest Co., 108 N. 8th Street, St. Louis, Mo.

Youth's Department.

Don't Worry.

What's the use Of fretting?
If you've troubles Try forgetting.
Take things easy— Praise or blame—
The world will wag on Just the same.
What's the difference, Anyhow,
A hundred years From now?
Don't anticipate Your sorrow.
When it comes, No need to borrow.
Get your sleep out, Troubled one.
You cannot rush The slow old sun.
So let the seasons Come and go,
Bringing with them Weal or woe.
Use the moments As they fly,
Nor try to help them Hasten by.
In life's long race You needn't hurry.
And if you'd win it Don't—don't worry!

—Chicago "Tribune."

A New Year's Greeting to Youth
Written for Green's Fruit Grower by Mrs. L. Jennings.

And now children as you must spend much of your time and energies at school studies, there will not be much leisure for other reading through the school term.

Let me beg of you, do not indulge in novel reading, as it spoils the taste for your studies, besides taking up valuable time. This warning comes from one who knows, and may tell you why some future time.

Most of you have other duties to perform, as well as studies, and it is well you have. It is said, "change of work is good as a rest." Very true, school studies occupy much time, but do you know, if every hour is improved, there is time for all things. One may say, "why I have nothing to do but to dress, eat, go to school, come home, eat, get my lessons, go to bed." This may be all true, but do you feel quite satisfied?" Is there not some kind deed you could do for another? There are many things a bright boy or girl can do. On the way to school perhaps lives an invalid, a feeble grandpa or grandma. Start a little early, drop in, read a bright sketch or speak a piece you have learned. How it would brighten the day for the invalid and yourself as well. Bear this fact in mind, you can not do a kind act for another, without brightening your own life, neither can you do another an injustice without darkening the day for yourself. Always strive to do the right thing at the right time.

The Nurseryman's Sons.—Boys will see from the following authentic incident that success in life depends very much upon one's self.

Some forty-five years ago, Mr. H., a nurseryman in New York state, left home for a day or two. It was rainy weather and not the season for sales, but a customer arrived from a distance, tied up his horse and found his way to the kitchen of the farm house, where two lads were cracking nuts.

"Mr. H. at home?"
"No, sir," said the eldest, Joe, hammering at a nut.
"When will he be back?"
"Dunno, sir. Mebbe not for a week."
The other boy, Jem, jumped up and followed the man out. "The men are not here, but I can show you the stock," he said, with such a bright, courteous manner that the stranger, who was a little irritated, stopped and followed him through the nursery, examined the trees and left his order.

"You have sold the largest bill that I have had this season, Jem," his father, greatly pleased, said to him, most approvingly, on his return.

"I'm sure," said Joe, sullenly, "I'm as willing to help as Jem, if I'd thought in time."

A few years afterwards these two boys were left by their father's failure and death with but two or three hundred dollars each. Joe with his little legacy bought an acre or two near home. The land was poor, the crops scanty, the market low. He has worked hard and faithfully, but is still a poor, discontented man.

Jem bought an emigrant's ticket to Colorado, hired as a cattle driver for a couple of years, with his wages bought land at forty cents an acre, built himself a house and married. His herds of cattle are numbered by the thousand, his land has been cut up for town lots, and he is ranked as one of the wealthiest and most promising men from every standpoint in the state.

Thoughtfulness, snap, industry and courtesy, would, if possessed by Joe, have placed him upon as good a footing. —G. B. Griffith.

SALZER'S SEED NOVELTIES.

SALZER'S NATIONAL OATS.

Ye, farmers of America, lend me your ears, while I chant the merits of this new Oat Novelty. Editors, Agricultural Writers, Institute Orators, all talk and write about this new Oat. It yielded in Wis. 168 bu., in Ohio 157 bu., in Mich. 231 bu., in Mo. 235 bu., and in N. D. 210 bu. per acre, during 1903, and in 1904 you can grow just as easily 200 bu. per acre of Salzer's National Oats, as we can. Your land is just as good, just as rich and you are just as good a farmer as we are. We hope you will try this Oat in 1904, and then sell same for seed to your neighbors at a fancy price, next fall.

Speltz

It does well on arid, dry lands, as also on rich farm lands, yielding from 36 to 80 bu. per acre.

Speltz and Hanna Barley.

Greatest cereal food on earth. Yields 4 tons elegant straw hay and 80 bu. of grain, as rich as corn, oats and wheat ground together. Does well everywhere. Hanna Barley grows on dry, arid lands, yielding 60 bu. per acre.

Salzer's Home Builder Corn.

Positively the biggest ears of early corn on earth, yielding in Ind. 107 bu., Ohio 189 bu., Tenn. 159 bu., Mich. 220 bu. and S. D. 278 bu. per acre. It is really a marvelous corn. Sinks its roots deeply after moisture and nourishment and grows like a weed.

Bromus Inermis and Alalfa Clover.

Bromus Inermis is the most prolific grass for permanent pastures on earth. Yields 7 tons hay per acre. Good on sand, lime, clay, gravel, etc., on all kinds of soils! Alalfa Clover produces more hay and better hay than any Clover known. It is good for 7 tons per acre.

Potatoes 736 bushels per Acre.

The Editor of the RURAL NEW YORKER says, "Salzer's Earliest Potato is the earliest out of 45 early sorts tried, and yields 464 bu. per acre, while Salzer's Early Wisconsin yielded for them 736 bu. per acre. Salzer's Potatoes for yield challenge the world!"

FOR 10¢ IN STAMPS

and the name of this paper, we will send you a lot of farm seed samples, including some of above, together with our mammoth 140 page illustrated catalog. Send to-day.

JOHN A. SALZER SEED CO. LACROSSE, WIS.

Please mention Green's Fruit Grower.

POULTRY SUPPLIES.

Bone Mills Clover Cutters Drinking Fountains Food Cookers Incubators Thermometers Corn Shellers Leg Bands Powder Bellows Spaying Knives

Send for our Supply Catalogue of Fruit Growers' and Poultrymen's Supplies. Ask for Special Prices on whatever you need.

AMERICAN POULTRY KEEPING,

A practical treatise on the

MANAGEMENT OF POULTRY,

By CHAS. A. GREEN.

PRICE POSTPAID, - - - 25 CENTS.

VEGETABLE and ROOT CUTTER.

Thousands in use. Thousands sold every year. Thousands of testimonial.

Great time and money savers.



Saves their cost before they show any evidence of use. Cuts green food of all kinds for cattle, sheep, and poultry, thus securing the greatest benefit from food with no waste. Easily operated, any child can do the work. Cuts rapidly. It supplies the best possible manner of preparing this food at all times for sheep and cattle. The knives in cutter can be removed and resharpened, making a practical, durable, convenient, economical, and valuable machine.

Price, \$3.85.

HANDY CORN SHELLER.



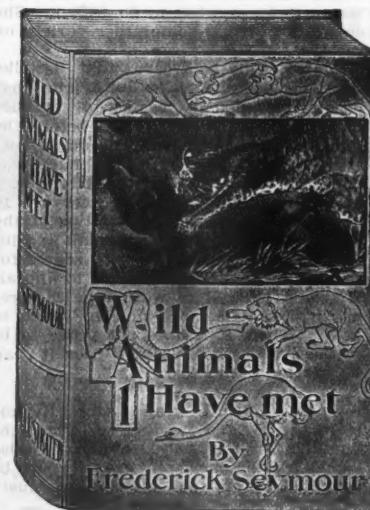
Reliable, substantial, convenient, compact. Price complete, 85 cents.

The No. 1 Bone, Shell and Corn Mill for Poultrymen.

This mill will grind dry bones, shells, all kinds of grain, gravel, etc. It is also a splendid machine for grinding stale bread, crackers, roots, barks and spices, for pantry or poultry yard. One customer writes that he ground and sold \$105.00 worth of oyster shells on the No. 1 mill and it is as good as new. Regular price, \$5.00. Special price for 30 days, \$3.95.

Green's Nursery Co., Implement Dept., Rochester, N. Y.

This \$5.00 Book Given Away



WILD ANIMALS I HAVE MET

Is the title of an elegant \$5.00 book, 300 pages, 300 photographs, by the great Frederick Seymour, Naturalist. We will send you this book for your services if you will secure a club of ten subscribers at thirty-five cents each, without premium. Or, we will send you this \$5.00 book if you will send us five subscribers for Green's Fruit Grower for five years each, sending us \$5.00 for these five subscriptions, each of which is to continue five years, without premium.

This is a book of natural history and thrilling experiences, the result of a lifetime of effort. It is unlike any other book on animals. It combines the most interesting and valuable facts of natural history with the most exciting experiences and thrilling adventures. The author has circled the globe in search of a knowledge of wild animals. Well worth \$5.00.

C. A. GREEN.

Address, GREEN'S FRUIT GROWER, Rochester, N. Y.

90 Days' Trial

We sell more reliable merchandise by mail than any house in the world. Volume of sales regulates prices. No firm can undersell us on reliable goods; we refuse to handle the other kind.

Our Oakland Machine
at \$6.25
is warranted
for 5 years
and is the
best machine
on the market
at the price.

At \$12.75 our
Amazon is as
good as the
regular \$20
kind; is beyond
comparison with
other machines
at this price.

For 14.50

our Brunswick
Seven Drawer,
High Arm, Ball
Bearing, Drop
Head Machine
is a beauty, one
that will do all
kinds of work
and can be de-
pended upon. Price
is much lower than
any other firm asks
for equal quality.
Mounted on hand-
some Automatic
Drop Desk Quar-
tered Oak
Cabinet like
picture, only 16.50

Free Catalogue
of Sewing Machines containing our 90 days' free
trial offer, sent on request. Write for it today.

MONTGOMERY WARD & CO.

Please mention Green's Fruit Grower.

Seed Corn

\$1.00 bu., and up.
Michigan Northern
Grown is the earliest
and produces largest crops. Hammond's Sixty
Five, American Pride, Race Horse Dent and Thorough-
bred White Dent are the 4 famous varieties today. Ameri-
can Friend Seed Co. send you their 100-page
catalog, fully describing these wonderful corns sent
on request. HARRY N. HAMMOND SEED CO., Ltd.,
Box 59 Bay City Mich.

Warranted Seed

Our seed is sold under three war-
rants—see catalogue. We were the
first firm to give warrants. If your
seedsmen sell you seed whose pur-
ity and vitality give full satisfaction,
stick to him. If not, try ours.
Prices reasonable. Catalogue free.

J. J. H. GREGORY & SON,
Marblehead, Mass.

Please mention Green's Fruit Grower.

**GREAT BARGAINS IN
SEEDS.**
Send today for fine Free
Catalogue of New and Standard TESTED
varieties. Prices low-
est. Presented with orders.
Large buyers ask for
Wholesale List.
ALNEER BROS.,
No. 304 Bldg., Rockford, Ill.

APPLE SEEDLINGS WANTED

We desire to purchase 50,000 to 100,000 apple seed-
lings. Please let us know what sizes you have to
offer and your price.

Green's Nursery Co., ROCHESTER,
N. Y.

D. & C. Roses

are the best. Alveots on their own roots. Plants mailed to any
point in the United States. Safe arrival guaranteed. 50 years' experience.
Flower and Vegetable Seeds a specialty. A premium with every order. Write for

New Guide to Rose Culture
for 1904—the leading rose catalogue of America. 146 pages.
Mailed free. Over 1,000 varieties. Tells how to grow them
and all other desirable flowers. Est. 1850. 70 greenhouses.
THE DINGEE & CONARD CO., West Grove, Pa.

10 Packages 10c.
Vegetable Seeds.
Lettuce, Beet, Onion, Cucumber, Cabbage, Car-
rot, Squash, Melon, Radish, Turnip, enough for
your garden only 10 cents. Catalogue Free.
1-4 lb. Best Mixed SWEET PEAS 10c.
All the above mailed post-paid for 15 cents in
silver or eight two-cent stamps, to any address.
BUNKER HILL SEED CO., Charlestown, Mass.

Most Extensive Grower of
Grape Vines

In America
Introducer of

CAMPBELL'S EARLY, The Best Grape
JOSSELYN . . . The Best Gooseberry
FAY . . . The Best Currant
Small Fruits . . . Catalogue Free.
GEO. S. JOSSELYN, Fredonia, N. Y.

Please mention Green's Fruit Grower.

PROFESSOR H. E. VAN DEMAN,
Associate Editor of
GREEN'S FRUIT GROWER.**HIS ANSWERS TO INQUIRIES.**

Will tramping snow hard with the feet
about each tree prevent mice from barking
the trees during winter? Is there
no better remedy for rabbits than shooting
them?—George Eastman, Mo.

Reply: Yes, it will do considerable
good to tramp the snow next the bodies
of fruit trees in the way of keeping mice
from eating the bark off them. Smear
the bodies with blood or liver of any
kind, is a good preventive against rabbits,
as long as it lasts, but it washes off.
When the snow gets deep and rabbit
food is scarce they will eat the bark
of trees that they would not touch before.
Wrapping with rags, paper, hay
or something else that they will not bite
through is the only really safe preventive.
The latter part of the winter is the
worst time for their depredations.

Since labor has been higher during the
past few years and nurserymen have
been compelled to spray their nurseries
and fight insects more persistently than
in former years may we be led to ex-
pect that prices of nursery stock will be
higher?—George Gordon, N. H.

Reply: Certainly, nursery stock of
nearly all kinds is likely to increase in
price slightly, and it should be so, to en-
able the nurserymen to grow good trees
and at a profit to themselves. Every
large nursery should have an expert en-
tomologist and vegetable pathologist,
that is a plant doctor, in their employ
constantly. It should be his duty to
watch everything on the place and keep
down all diseases and insect pests. This
would give us a much better class of
nursery stock than we now have and
pay all parties interested in growing,
selling and planting it.

What is your opinion of Hubbardston
apple for home use, also for a market
variety? Does it succeed over a wide
expanse of country? What do you
think of its quality?—B. Taylor, Pa.

Reply: Hubbardston is one of the
very best apples for home use, because
of its high quality, good size and general
good behavior in the orchard. It is also
an excellent market apple in many sec-
tions, especially in the north parts of the
apple country, for it bears well every-
where and usually colors up well enough
to look well in market. But it is sel-
dom a very brilliant red. The fact that
the fruit does not keep very late is
somewhat against it.

How is it that peach orchards are be-
ing planted in New York state and Con-
necticut where formerly it was not sup-
posed that peaches could be grown
profitably for market? Do you consider
peach culture profitable?—David
Brown, Ohio.

Reply: People are learning by trial
that many fruits will grow where they
were before supposed not to succeed.
Peach culture has been found to be
profitable in the places mentioned and
in Canada and northern Michigan, as
well. Of course it pays to grow
peaches in all these places; but good
judgment must be exercised in the mat-
ter of special location, or spring frosts
or other undesirable climatic influences
may be met. There is more uncertainty
in growing peaches than apples but the
returns are much quicker.

A subscriber at Petaluma, Cal., A. A.
A., has a pecan tree fourteen years old,
which blooms but does not bear and
wants to know what to do with it. She
suggests grafting some other variety on
the tree.

Reply: This is a case that is like
many others and it is quite true that
pecan trees usually begin to produce
male blossoms several years before the
female flowers appear. The male flow-
ers are long, green catkins that come
out from buds set on the last year's
growth, but the female flowers are to
be seen a little later on the tips of the
young shoots and are very small and in-
distinct. They are also very scarce for
several years after they begin to appear.
It would be well to wait until the tree
has had a little more time in which to
bear. Then, if it does not prove to be
productive or the nuts are poor it can
be grafted or budded.

Would Concord grape vines become
more thrifty and productive by mulch-
ing the ground with sawdust? Also
would a light cherty or gravelly soil be
benefited by an application of sawdust?
—J. B. S., Mo.

Reply: There is almost no fertility in
sawdust of any kind, and it will not pay

to haul and spread it for the purpose of
enriching the land for grapes or any-
thing else. I once saw a very extensive
trial of this and the farmer was
thoroughly convinced that it did not pay to
haul it from one part of his farm to
another. As a mulch to retain moisture
in the soil it is of some benefit, but there
are cheaper materials that will serve
this purpose and enrich the soil at the
same time, such as the cow pea grown
on the land. This will also loosen stiff
soils and greatly benefit those that are
gravelly or shaly. I would not bother
with sawdust except a little for exper-
iment, but try to get something rich into
the soil.

Has anything recently been learned
about woolly aphid? Does it infest the
soil where trees are grown? Is it a serious
pest?—A. D. C., Ohio.

Woolly aphid is a very serious pest of
the apple orchards in many sections,
especially in the Central West. It causes
galls on the roots which are sometimes
thought to be the result of the fungus
diseases that are becoming so prevalent.
But they are more often on the side
roots than on the main ones and are
bead-like in their arrangement. There
is a form of the same insect that appears
above ground, often in clusters on the
trunks and looking like they were woolly,
which is only a downy excrescence from
their bodies. These insects infest the
ground, but must have something to
feed upon, which is always by suction, and apple roots are
their preference. Tobacco dust
worked into the soil will kill them, and it
is worth all it costs for the fertility it
contains.

If you were to plant four varieties of
strawberries for home use and for mar-
ket what varieties would you select?—
David Cuyler, Mass.

Reply—That would depend very largely
upon where they were to be planted. In
Massachusetts nearly all varieties of the
strawberry do quite as well as in any
other section of the country. Of the old
and well tested kinds there are none
which succeed more generally than
Haverland and Warfield. Splendid is one
of the very good ones of later introduc-
tion and Clyde is another. Glen Mary
is liked by many, but it has not been so
thoroughly tested as those already men-
tioned. The first four would probably
meet with more general satisfaction.

A reader, A. B. H., at Westminster,
Mass., asks what is the best of the cop-
per sulphate remedies for preventing
pear scab.

Reply—While there are many kinds of
mixtures sold for the purpose of spraying
trees and fruit to prevent the ravages
of the scab on the pear, apple, etc., yet
sulphate of copper is the effective prin-
ciple in all of them. So far as I know
there is nothing better than the plain
Bordeaux mixture when properly made.
The lime should be slaked slowly and by
sprinkling with water and never by sub-
merging it in it. It should then be fully
diluted before mixing with the copper
sulphate. The latter should also pre-
viously be well dissolved and fully di-
luted. This matter of fully diluting be-
fore mixing is a very important matter.

16. E. Gardner.

The life of the early Romans was
colored by their simple agricultural pur-
suits. Their gods were supernatural beings
who had power over the processes of
the earth, and their libations to them
were milk and honey. Venus is said to
have been regarded as the power which
had control over gardens and orchards
before she became the "fatal temptress"
Aphrodite of "a later dispensation." Mars,
for whom the first months of the
Roman year, the budding month, March,
is named, was the god of the grain field.
His priests were called salii, or leapers.
It was their custom to meet in Rome
on the first day of the new year to dance
and sing around the Palatine. They
leaped to the limit of their powers, for
it was believed that Mars would permit
the new grain to grow to the height to
which they leaped. Besides these, there
were gods of corn, wine, fruits and
flowers, and sylvani, or tree spirits. Sa-
turn was the god of sowing and Flora
goddess of the flowers.

Kate—"They tell me that Fred has
proposed to Minnie." Eva—"And we
have always been led to believe that
Fred was not a drinking man!" Bos-
ton "Transcript."

0% PER ANNUM

Your Money

Safely invested, with risks eliminated,
earning 3 per cent. yearly, subject to
withdrawal at any time, bearing earnings
for every day invested.

Our business, established over 10 years
Non-Speculative, and under supervision of
New York Banking Department.
Accounts of Conservative Depositors Solicited,
upon which we will pay

5% Per Annum

Write to-day for full particulars of our
methods and endorsements of prominent
business, business and professional men
all over the country.

Austria \$1,700,000
Surplus and Profits \$125,000
Industrial Savings and Loan Co.
1187 Broadway
New York City

ICE

Made
in Three
Sizes.

CUTTING is easy
with
**BOURG All Steel Double-
Row ICE PLOW**. It cuts
out two rows at a time; cuts any size cake
and any depth, and does it with ease and economy.
Does the work of twenty men sawing by hand. Pays for itself
in two days. No farmer, dairyman, hotel man or other can afford to
be without it. Ask for catalogues and introductory prices.
John Dorsch & Sons, 290 Wells St., Milwaukee, Wis.

THE KING OF HARROWS.
CLARK'S DOUBLE ACTION CUTAWAY.



Makes plant food quick of toughest sod. Perfect con-
nection with sub-soil water. May 23, 1903, in the drought,
no rain for forty days, cold, bad every way. Clark's
grass field will now cut two tons to the acre, July 1st
will surely cut five. If you doubt it come and see.
Send for circulars. Cutaway Harrow Co., Higganum, Conn.

**"The Climax Spray Pump People
Make Their Goods Too Good,"**

Was recently remarked. Perhaps this is so—but then—it makes an awfully satisfied buyer, if an infrequent one.

**Climax Spray Pumps are Reliable.
Ready to talk for 1904 business?**
We are.

DAYTON SUPPLY CO.
Successors to Nixon Nipple & Machine Co.
DAYTON, OHIO.

Wire Fence
Build it yourself of Coiled
Steel Spring Wire with our
own Wire Fence Machine.
Cost Light, Service Great.
Builds any fence in a day.
Builds any kind of wire fence.
We will tell you how to get
fence at cost of wire only.
Illustrated Catalogue FREE.
Carter Wire Fence Machine Co.
Box 95, Mt. Sterling, Ohio.

FENCE! STRONGEST
Tight, Solid to the Foundation.
Strong, Chicken-wire
Fence. Fully Waranteed. Catalogue Free.
COILED SPRING FENCE CO.
Box 100 Winchester, Indiana, U. S. A.

LION BRAND
TRADE MARK
GRAFTING WAX

We offer a superior quality of Grafting Wax in pack-
ages of one-half pound, or one pound, by mail, post-
paid, at

**25c. FOR HALF POUND AND
40c. FOR POUND PACKAGES.**

By express we can sell this Grafting Wax at 25c. per
pound. Remember that postage costs us 16c. per pound.

Address

GREEN'S NURSERY CO.,

ROCHESTER, N. Y.

BIG PAYING BUSINESS For MEN,
WOMEN.
Write for name of hundreds of delighted
men and women. Make \$50 to \$500
weekly. Do business at home or travel
or travel all or some time. Selling
Gray outifts and doing
genuine gold, silver, nickel and metal
plating on watches, jewelry, tableware,
bicycles, all metal goods. Heavy plate. No ex-
perience, quickly learned. Enormous demand.
Guaranteed. Let us show you how to do it
FREE. Write today. H. GRAY & CO., CINCINNATI, O.

Hunters' & Trappers' Guide A 5000
page book, cloth bound, illustrating all fur animals.
All about trapping. Trappers' Secrets, all kinds of
traps, decoys, ac. Special Price \$1, to fur shippers
postpaid. We buy raw furs, skins. Price List
ANDERSON Bros., Dept. 507, Minneapolis, Minn.

A Song in the Night.

The following remarkable poem is over 300 years old. It was written by an Italian monk named Campanella, who was born in 1568 in Calabria, Southern Italy:

The people is a beast of muddy brain,
That knows not its own strength, and
therefore stands
Loaded with wood and iron. The power-
less hands
Of a mere child guide it with bit and rein;
One kick would be enough to break the
chain
But the beast fears, and what the child
demands
It does, nor its own terror understands,
Confused and stupefied by bugbears vain,
Most wonderful! With its own hands
It ties and gags itself, gives itself life and
war
For pence doled out by kings from its
own store.
Its own are all things between earth and
heaven:
But this it knows not, and if one arise
To tell the truth it kills him unforgiven.

The speediest feminine picker of huckleberries in Monroe county, Pa., is Carrie Everett, a girl of 15 years. From 8.30 a. m. to 4.30 p. m., she picked seventy-two quarts of huckleberries. Oscar Altomose has the record among men and boys, as he picked 125 quarts of huckleberries in eight hours.

Helmholz showed that a wave of thought would require about a minute to travel a mile or more, and Hersch found that a touch on the face was recognized by the brain and responded to by a manual signal in the seventh of a second.

Lobsters cannot be persuaded to grow up together peacefully. If a dozen newly hatched specimens are put into an aquarium, within a few days there will be only a large, fat and promising youngster. He has eaten all the rest.

The microscopes of to-day will reveal a particle the half-millionth of an inch in diameter. The size of an atom may be judged when it is said that each of such particles probably contains at least six million atoms.

In Siam some of the women intrust their children to the care of elephant nurses, and it is said that the trust is never betrayed. The babies play about the huge feet of the elephants, who are very careful never to hurt their little charges.

Locusts are not the only migrant insects. In July, 1890, a swarm of small beetles passed over Romershof in Russia, which was two miles long, and one and one-third miles wide and over twenty feet thick.

There is a tree which grows in Sumatra, Algeria and China which is known as the vegetable tallow tree. From its fruit large quantities of oil and tallow are extracted.

Nothing is lost by patience. See how long it takes the good Lord to make a fair flower out of a little seed; and He does all quietly, without bluster. Wait on Him a little in peacefulness and prayer, and see what He will do for thee.—H. B. Stowe.

It is no small commendation to manage a little well; he is a good wagoner that can turn in a narrow room. To live well in abundance in the praise of the estate, not of the person.

Secretary Wilson, of the department of agriculture, says ten years ago the United States produced about 14,000,000 pounds of rice. This year we expect to produce about 300,000,000 pounds, so that we expect to have rice to sell to other countries.

Cranberry growing is being started on an extensive scale along the coast of Washington between Gray's harbor and Willapa harbor, and between Willapa harbor and Columbia river. Cranberry marshes also extend along the Oregon coast, giving a field for similar operations there.

The sense of smell in the snail has been found by Emile Yung to be limited, as a rule, to a distance of about six inches.

It is estimated that New York city alone has 150,000 persons who would be dead without the medical progress of the last fifty years.

The contested theory that pearls are due to a parasite in the oyster, was first advanced by Filippi in 1852. Several recent observers have confirmed the view.

A Glasgow museum is forming an important collection of railway material, intended to cover the period from the time when the Romans brought over the system of stone roads. Between sixty and seventy different exhibits will be included.

He who is skillful in art does not continue in slipper-making.—Turkish proverb.

Will Apple Growing Pay.

In speaking before an Illinois farmers' institute on the subject, "Will Apple Growing Pay?" Professor Hedrick of the Michigan Agricultural college said: The demand for apples in recent years has increased as has that of no other product of the soil. The value of most farm crops has gone down since war times, but the apple, which we shared with the pigs and cows forty years ago, is now a luxury which few of us habitually afford. Moreover we now ship apples in ways and to places never dreamed of a few years ago. We send them to Europe, to China, to the Klondike, and in ever increasing quantities. We ship them as green fruit, canned and evaporated, while the skins and cores are made into cider, vinegar and jelly so that nothing is lost or wasted. Six counties in Western New York are said to have received over \$5,000,000 for the apple crop of the last season. The figures of the apple industry for the last decade are a grand sight. They show that the home consumption of this fruit has increased enormously, while the export trade has more than doubled every year. The carload is the unit in trade now—formerly it was the wagonload. But will this wonderful growth last or is it one of the bubbles which periodically arise in the industrial world? If we study this question carefully and come to know wherein lies the growth and what manner of growth it is, we must conclude that apple culture has not yet reached its height and that the forward movement is gaining greater and greater impetus.

That the ancient Irish were sun-worshippers, and that they keep alive some remembrance of the pagan belief to this day, is beyond doubt. "Bonfire Night" in Ireland, under the influence of the Gaelic league is now celebrated in some places more in accordance with the traditions of Beltaine than has hitherto been the case. In ancient Ireland the Pagan Beltane were held on May Day, and all fires were lit from the sacred flame at Tara. In Christian times, instead of abolishing the Pagan festivals outright, their dates were altered and their purposes were, so to speak, Christianized.

What was the secret of such a one's power? What had she done? Absolutely nothing; but radiant smiles, becoming good humor, the tact of giving what every one felt and every one wanted, told that she had got out of self and learned to think of others.—F. W. Robertson.

\$24.75
DUCHESS TOP BUGGY
\$35.95
WITH RUBBER TIRES
\$30.20
COMBINATION SPRING WAGON
No. 100
\$4.45
No. 190
\$14.60
CUT THIS AD OUT

\$24.75 buys our "Duchess" top buggy, exactly as shown in cut, with top, curtains, shafts, and rattler, cushions nicely trimmed. Best value ever offered. If you want a vehicle of any kind, write at once for our vehicle catalog.
\$35.95 buys our rubber tire top buggy, exactly as shown in cut, in a guaranteed rubber tire buggy.
\$30.50 buys our combination spring wagon, with large body, two seats, shafts, etc.
\$4.25 buys our No. 100 single buggy harness, with side checks in leather, complete with one hitch rein. This and others described in catalog.
\$14.90 buys our No. 190 double driving or carriage harness, 1/4 in. traces, handsome pads, over or side checks, two hitch reins. Collar extra \$1.40.
How untrue the old adage "Beauty's Skin Deep."

\$41.25
FAMILY CARRIAGE
\$43.90
SOLID COMFORT
\$24.95
GENTLEMAN'S DRIVING WAGON
No. 107
\$6.85
\$24.95
buys our "Solid Comfort" phaeton, exactly as shown in cut, large shafts, and rattler, cushions nicely trimmed. Some lamps, wide fenders, top, shafts, etc. Spring cushion and back.

\$41.25
buys our large two seated family carriage, exactly as shown in cut, top, curtains, shafts, and rattler, cushions nicely trimmed. Price with top, curtains, shafts, fenders and top.

\$35.95
buys our rubber tire top buggy, exactly as shown in cut, in a guaranteed rubber tire buggy.

\$24.95
buys our "Solid Comfort" phaeton, exactly as shown in cut, large shafts, and rattler, cushions nicely trimmed. Some lamps, wide fenders, top, shafts, etc. Spring cushion and back.

\$24.95
buys our No. 107 single buggy or carriage harness, with side checks, 1 in. traces, collar extra, 75 cents.

\$6.85
buys our No. 107 single buggy or carriage harness, with side checks, 1 in. traces, collar extra, 75 cents.

\$17.00
buys our No. 190 double team harness, with 1/4 in. traces, 1 1/4 in. pole and breast strap, with snaps and slides, complete with two hitch straps. Collars extra \$1.50.

Send for our free catalogue.
and send it to us and we will mail you our vehicle and harness catalogue. It shows all the very latest styles for 1904. The cuts are large, the descriptions are full and clear. We do not ask you for any money with order. Do not buy a vehicle or harness of any kind until you get our catalogue and see our best styles, our prices are the lowest in the country.

MINNIN SMITH CO. CHICAGO, ILL.

With the Wits.

It being settled that hard work is the secret of success, the question now arises, what is the secret of hard work? —"Puck."

Governess—"Oh, Kitty, you careless child! There are not two r's in 'very.' Rub one of them out." Kitty—"Yes. But which one?"—"Punch."

Mr. Crouch—"Can't you stop that kid's howling? What's the matter with him?" Nurse Girl—"Well, sir, he was chased by a crazy man unwell, and he thinks you're him."—Chicago "Daily News."

"That young man," said the visitor, "behaves as if he knew more than you do." "Naturally," replied the merchant. "Why 'naturally'?" asked the visitor. "I am merely his father."—Philadelphia "Ledger."

Edyth—"George says he can't understand why I accepted him." Mayme—"George isn't like other people." Edyth—"Why, what do you mean?" Mayme—"Other people can't understand why he proposed."—Chicago "Daily News."

Sweetie—See Marston hurrying home with all his might. So eager to see his wife again! How he must love her.

Bitterworth—Perhaps he has thought of something mean to say to her, and is afraid he may forget it.—Boston "Transcript."

Mrs. Nextdore: "I guess you heard my daughter practicing to-day. The music teacher was there to-day; she's taking lessons by the quarter." Mrs. Peppery: "Indeed? I thought it was by the pound."—Philadelphia Press.

No man is in business for himself if he is married.

Happy is the girl who thinks her father is the best man on earth.

It is impossible for a man to help others without helping himself more.

Many a candidate for office is not as immaculate as he is whitewashed.

Responsibility is a cat which the man at fault thinks is a misfit on his own back.

Women laugh when they are in love for the same reason that cowards whistle—to keep up their courage.

A man is beginning to lose confidence in his theories when he is unwilling to listen to arguments against them.

Many a man will notice a decided coldness on the part of his annexed rib this winter if that sealskin sack is not forthcoming.—Chicago News.

YOU LOSE YOUR TEMPER
with a bad-axe, but you don't draw temper while you grind eight hours a day on the electric diamond stone, Carbureum, making 4,000 revolutions a minute with the Bi-Pedal Sickle and Tool Grinder.

For sickles, edge tools, saws, grinders and polishing machine, 4 in one. Special to Farmers. \$24 worth of machinery for \$10. Tools for garden, farm, barn, etc., especially designed for household use. Agents wanted. F. Luther Bros. Company, 14 Penn St., N. Milwaukee, Wis.

SUPERIOR CREAM SEPARATOR

GETS ALL THE CREAM
in 60 to 90 minutes "just as good as a \$100 machine." Sold under a binding guarantee. Your money back if not satisfactory. Simple, practical.

40,000 Farmers Use It.

Least trouble and expense of any good method. Cold water circulates through center water-column and outer water jacket does all the work. No mixing. The best investment on the farm. Write today for full particulars. Don't delay.

SUPERIOR FENCE MACHINE CO.
Grand River Ave., 303 Detroit, Mich.

Please mention Green's Fruit Grower.

Eight CENTS PER Share

for a short time only. Par value \$1.00. Full paid, non-assessable. Buy now at the lowest price and join us on the ground floor in the Five Bears Mining Co., who own outright ten rich properties in Plumas County, California. Over 1,000 feet of tunnels and crosscuts, all in ore assaying from \$7 to \$15 per ton. Over 10,000 tons ore in sight ready to stop. Do not wait. Now is the time before the stock advances to 25c, or higher, tomorrow may be too late.

\$8.00 WILL BUY 100 SHARES.
\$200 buys 20 shares—\$800 buys 1,000 shares. Take our advice and buy all you can.

Monthly Payments if Desired.
We have personally examined the entire property and honestly believe this will prove the best gold mining stock ever offered. Write for Five Bears Prospectus, Map and latest reports from the mine. Booklet, "How to Judge Stocks," free. Address,

UNION SECURITY CO.,
471 Gaff Bidg., Chicago, Ill.

QUEER, BUT GOOD

Send for our free novelty catalogue with illustrations of guns, spray outfits, rare musical instruments, farm and garden tools, talking machines and ingenious devices of all kinds.

Green's Nursery Co., Rochester, N.Y.

**Beauty's Blood Deep**

How untrue the old adage "Beauty's Skin Deep." How many women of beautiful features marred by impure blood try in vain to get a pure complexion by doctoring the skin. The quickest, surest, only way to beauty is to cleanse the blood.

"I have been taking Cascarets for pimples and have greatly benefited."—Miss Gertrude Grant, Cambridge, Mass.

"I am very well pleased with Cascarets. They are fine for the complexion."—Miss Catherine C. Coffman, S. English, Ia.

"Cascarets will clear the complexion of boils, pimples and blackheads caused by impure blood."—A. E. Griffin, M. D., Stubbfield, Texas.

"Cascarets have done a great deal of good for me and for all our family."—Miss Florence Cook, Webster City, Ia.

"I must add my testimonial to your valuable medicine Cascarets for stomach trouble."—Irene Ackerman (famous singer), 20 West Fifteenth Street, New York.

"I was suffering with sick headaches a great deal, but after taking a box of Cascarets am entirely cured."—Miss Clara Stimmel, 229 So. Sandusky Street, Delaware, Ohio.

"Cascarets did me a world of good. My liver was in bad condition for some time and one box cured me."—Miss Mabel Allen, Clare, Michigan.

How many, many young women are anaemic, pale, sickly-looking, perhaps with pimples on face and neck, owing to poor, unhealthy blood. Perhaps womanhood is approaching, that serious time of life when irregularities are liable to break down a constitution. The first rule for purifying and enriching the blood is to keep the bowels free and natural, gently but positively, without nervous shock, and Cascarets Candy Cathartic is the only medicine to do it.

@cascarets

Best for the Bowels. All druggists, inc. gen. etc. Never sold in bulk. The genuine tablet stamped C C C. Guaranteed to cure or your money back. Sample and booklet free. Address Sterling Remedy Company, Chicago or New York.


Cutaway-Extension Reversible Harrow

A bonanza for fruit growers and orchardists. Also two-horse size for larger orchards. E. C. MENENDEZ-HALL, Gen'l Agt., Box 303, Kimbundu, ILLS.


BAKER'S TRACELESS HARROW.

No whiffle-trace—no traces. Fine for farm work. Has no equal for use in orchard, vineyard, garden, lumbering, etc. Easier on team. Write us now. Catalog free. Agents wanted.

E. F. BAKER CO., 318 Main St., Burnt Hills, N.Y.



Write for Catalogue. ITS FREE.

Before ordering compare our prices on Buggies, Surrays and Wagons. 100 styles. Our prices talk. Buy Direct, Save Middleman's Profit.

Established 1883. ROYAL CARRIAGE CO. Output, 30,000. 424E Court St., Cincinnati, O.

PAT.

RHODES DOUBLE CUT PRUNING SHEAR.

Cuts from both sides of limb and does not bruise the bark.

Write for circular and prices.

RHODES MFG. CO. GRAND RAPIDS, MICH.


Defender Sprayer

All brass, easiest working, most powerful, automatic mixer, expansion valves, double strainer. Catalogue of Pumps and Treatment on Spraying free.

AGENTS WANTED.

J. F. Gaylord, Box 61, Catakill, N.Y.


Agents Wanted

for the only genuine Compressed Air Sprayers from \$1.50 up. Buy direct from the patentees and manufacturers.

Write for circular.

BROOKS SPRAYER CO. ROCHESTER, N.Y.

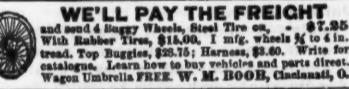

SPRAY NOW

For San Jose scale and all fungous diseases use THE PERFECTION SPRAYER, furnished complete with cart and barrel, combined hand and horse power. Sprays everything, trees, potatoes, etc. Catalogue free.

THOMAS PEPPLER, Box 30, Highstown, N.J.



You can do this easily with common tools and save over than half the cost of buying. Send for our instructions. We sell you all small fixtures like Tank, Lamp, Regulator, etc. No Experience. Handsome Catalog Free. CHANNON, SNOW & CO., Dept. L, Quincy, Ill.



and send 4 Buggy Wheels, Steel Tire Co., \$17.25. With Rubber Tires, \$18.50. Steel Tires, \$14 to \$16.00. Top Buggy, \$15. Harness, \$3.50. Write for catalog. Learn how to buy vehicles and parts direct. Wagon Umbrella FREE. W. M. BOEH, Champaign, Ill.

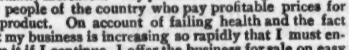


Not the Cheapest. But the Best. A complete line of nursery stock. Genesee Valley grown. No scale. Established 1880. Catalog free to interested parties.

S. A. Sweet Nursery Co., 11 Maple St., Dansville, N.Y.

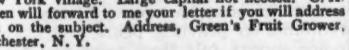


I have for many years been engaged in making a long list of pickles put up in glass jars. My business has constantly increased. My patrons are among the wealthiest people of the country who pay profitable prices for my product. On account of failing health and the fact that my business is increasing so rapidly that I must enlarge if I continue, I offer the business for sale on easy terms. Do not write unless you have money to invest and mean business. My location is in a thrifty western New York village. Large capital not needed. C. A. Green will forward to me your letter if you will address him on the subject. Address, Green's Fruit Grower, Rochester, N.Y.



The Regal Grape, the Comet Currant, the Blowers Blackberry, the Kenoyer Blackberry, the Beaver Strawberry and a very large stock of Gladiolus Bulbs. Send postal for descriptions and prices.

M. CRAWFORD CO., Cuyahoga Falls, O.



All of the best varieties—Excelsior, Rio, Clyde, Parsons' Beauty, Brandywine. Also all other varieties. Plants bear on market, cheapest to buy. Price per thousand.

Read what one of our customers says:

"I received the plants all O. K. and am very well pleased with them. ENOS HILL, Baden, Pa."

This advertisement will not appear again. Write today and save money. Catalogue free. Lock Box 1.

W. S. PERDUE & SONS, Parsonsburg, Md.



CURRENTS, GOOSEBERRIES, NOVELTIES, Etc. Buy your plants from us and we will catch your ground. Be a mole trap on earth free with every order. Our 50 page 1904 catalogue free. HUNTSVILLE NURSERIES, Huntsville, Ohio. Please mention Green's Fruit Grower.

reason that the ice systems have come into disuse, and the ammonia or mechanical systems are understood to be the best. The advantages of simplicity and low operating cost when using ice for cooling, combined with the positive control of temperature and moisture obtainable with the ammonia or mechanical system, are all embodied in the gravity brine system, described further on. This system has not the disadvantages of complicated machinery, requiring skilled labor, as is necessary with the mechanical or chemical systems.

The buildings here illustrated are planned to meet the needs of those who have a crop large enough to make storing profitable. It is not recommended that a cold storage plant of less capacity than 200 to 300 barrels be built, except under special local conditions which might warrant a smaller capacity. The cost of constructing a very small plant is greater in proportion as will be seen by the subjoined estimates. The cost of operating is also greater in proportion and the time and care necessary to make a success of a very small plant will operate a much larger one equally well. The relative cost of a plant of 600 barrels capacity and one of 1,500 barrels capacity are here figured with some degree of accuracy for average conditions. The operating cost would be in about the same proportion. The cost of building and operating a house of say 300 barrels would be more than half as much as the house here described for 600 barrels. It will be apparent that the extreme small house is not profitable under average conditions.

This article will be concluded in our next issue with illustrations of cold storage buildings.—Editor.

Mrs. L. Jennings' Notes.

For Green's Fruit Grower.

A hornet's nest was recently cut away from the limbs of an apple tree which measures 44 by 38 inches. In the top of the nest is an apple, on one side a large red Baldwin with the fibre of the nest built closely around it. A little below this is an opening in the nest for entrance, with winding passage inside. The insects had all vacated the structure. It is thought they go into the ground in winter for warmth and use the nest for breeding and a summer home.

To Cure a Felon.—As soon as you are convinced you have a felon, wet the parts a few times with iodine. Then spread a plaster the size of a penny or larger with sticking salve, leaving a vacant spot in center as large as a pea. Put a bit of Spanish fly blister on the center, and bind it on felon. Let it remain until a blister is drawn. Then dress with cloth smeared with tallow until it heals and the felon is gone.

All things considered I am not sure but woman's susceptibility to flattery was as great in olden time as now.

A story is told of an old farmer who while doing his morning chores, was enjoying the beauties of nature as well. As he came into the house just as his wife had put aside the "tester" curtains to dress, and beholding the morning sun coming up in the East, he exclaimed with rapture, "Oh, the glory of the morin' is risin'." "Yes, David," said the wife taking it as a compliment to herself, "but what would you think if I had my tother cap on?"

Asparagus.—H. L. Doan said that he set out asparagus plants in the spring. The plants are set out in ground which has been deeply plowed and fertilized; furrows are plowed out five or six feet apart, six or seven inches deep, and plants placed two feet apart in the furrows, covered with a few inches of soil, and as the plants grow during the season, the furrows are gradually filled up by cultivation. Says "Country Gentleman": "It is a good idea to use the space between the rows with some hood crop the first season. When winter sets in, the asparagus is cut off and given a good covering of manure, which can be worked into the ground the following season. The asparagus is a gross feeder, and it is hard to overdo the treatment in fertilizing, as the larger and more tender the shoots, the greater the demand. In the early spring of the second year the surface of the ground is loosened by shallow plowing, and when the first shoots appear, the rows may be killed up to some extent, especially if blanched stalks are to be grown. A few shoots may be cut the second season, and the third season indiscriminate cutting may be done.

Diamonds.—The recent annual report presented to the shareholders of the De Beers Consolidated Mines shows that last year \$26,200,000 worth of diamonds were mined at Kimberley, South Africa, on which the profit was \$11,500,000.

Count the Potatoes and Win a Farm.


Only large black spots supposed to be potatoes. No small specks on cornucopias or illustration to be counted.

\$4,300 PRIZES GIVEN AWAY.
Every Correct Count Wins a Prize.

To those counting the correct or nearest correct number of potatoes in the above puzzle the following prizes will be given:

CASH VALUE.

Prize for 1st Correct or Nearest Correct Count, a 40-Acre Farm	\$200.00
Prize for 2d Correct or Nearest Correct Count, a 40-Acre Farm,	200.00
Prize for 3d Correct or Nearest Correct Count, a 40-Acre Farm,	200.00
Prize for 4th Correct or Nearest Correct Count, a Beautiful Upright Piano,	300.00
Prize for MOST COUNTS Received During Contest from one Person, 40 Acres of Land	200.00
TIME Cash Prize (estimated)	200.00
Pocket Fountain Pen Prizes (estimated value) Distributed	2000.00
Map of the World Prizes (estimated value) Distributed	1000.00
GRAND TOTAL.....	\$4300.00

TIME PRIZE To the person sending the largest number of counts before March 1st, we will give \$10.00 a day from the time the first count is received until March 1st, 1904. For example, if you send in the largest number of counts and your first count is received 10 days before March 1st, you will receive \$10.00 if first count is received 100 days before March 1st you will receive \$100.00, so you see it will cost you \$1.00 a day for every day you delay.

MOST COUNTS To the person sending in the largest number of counts during the entire length of contest we will send a deed to 40 acres of land, as described here in, free and clear of all encumbrances.

EXTRA PRIZE Every person sending 50 cents for a year's subscription to the MAIL ORDER MONTHLY MAGAZINE and one count, will receive a beautiful three color Lithographed Map of the World—one of the latest made, instructive and useful. No home should be without it.

ADDITIONAL PRIZE Every person sending in \$1.00 for a two year's subscription to the MAIL ORDER MONTHLY MAGAZINE and THREE COUNTS, as one time will receive a "Merchants" Pocket Fountain Pen, having gold plated pen point, an artful useful to everyone. IT PAYS TO SEND THREE COUNTS. With three counts you can send one number on each side of the number you have counted and the chances are one of the three will win.

REMEMBER The MAIL ORDER MONTHLY MAGAZINE is a family magazine, a Fashion Page, and lot of good things for the whole family including the Children. It is well worth the money. Send in your subscription and a count at once. The farms we give as prizes are located in the heart of the potato and dairy district in Polk Co. Wisconsin, and will greatly increase in value as the soil is rich and fertile and this section is being well settled.

The piano is an upright, beautifully finished, in mahogany case, fully guaranteed by the manufacturer. Should there be a tie of two or more sending the correct count, the value of the prize will be equally divided. The Mail Order Monthly Pub. Co. will pay the freight and delivery charges on any prize sent to you.

In the following contest the following successful contestants each received a 40 acre farm in Wisconsin: Ole S. Jorid, Box 25, Sacred Heart, Minn.; H. J. Teurila, Winnipeg, Minn.; Geo. E. Darr, Marquette Ave., Minneapolis, Minn.; Martin Larson, Merrill, Wis.

No one connected with our publication will be allowed to compete. Contest will close May 31, 1904. Be sure your count reaches us early. The judges are some of the best well known professional and business men in the city.

JUDGES J. W. Jackson, Pres. Red River Valley Land & L. Co., St. Paul, Minn., capital \$150,000; Judge J. C. Jones, Ex-Cashier State Bank of St. Paul, capital \$100,000; Judge J. Blackburn, St. Paul, Minn., a member of the executive council of the Union Veteran's Union.

1 year's subscription, 1 count, and map of the world..... \$0.00
2 year's sub. \$1.00, 5 counts, and pocket gold fountain pen..... \$1.00
Each additional count within subscription..... 25 cts.
25 cents, without subscription..... 25 cent.

The receipt of magazine will be our acknowledgement of your subscription.

BE SURE TO RETURN THIS COUPON.

Mall Order Monthly Pub. Co., St. Paul, Minn. No GF

Enclosed please find..... for..... year's subscription to the Mail Order Monthly magazine and..... counts, in the potato contest.

Name.....

Postoffice..... State.....

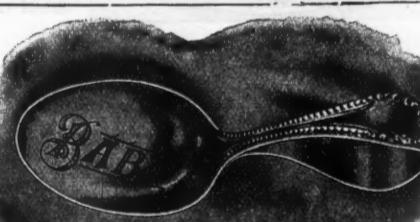
Send for Charts clearly and sharply printed for yourself and friends.

Address MAIL ORDER MONTHLY PUBLISHING CO., 506 Germania Life Building, St. Paul, Minn.

Green's Gift.

It is the best thing in the world for the baby to feed itself. Our grandchild has one. No baby can get on well without it. What more attractive gift can you make your own baby or your grandchild? We will mail, prepaid, this heavily silver-plated spoon with gilt bowl as a premium to all who send us 50 cents for one year's subscription to

Green's Fruit Grower.



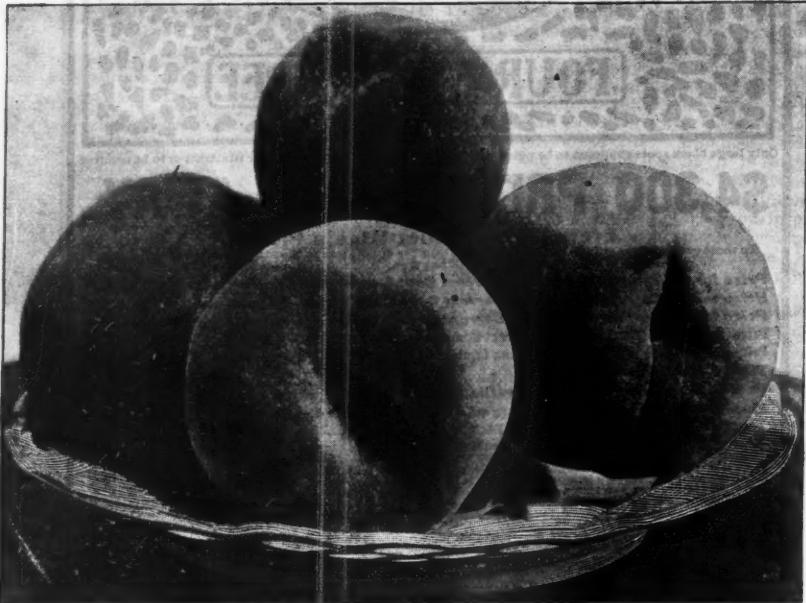
babyspoon

Green's Nursery Company

Offer in addition to our regular large sized Trees,

MEDIUM SIZED PEACH TREES AND BARTLETT PEAR TREES

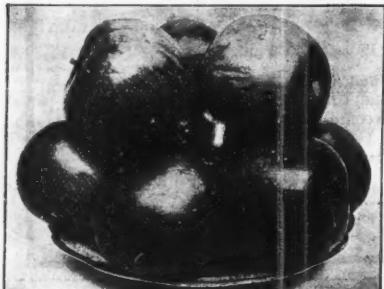
Also, Small Sized Apple and Plum Trees FOR SALE at Low Prices.



Niagara Peach This photo-engraving represents three Niagara Peaches, on top of these three is placed one Elberta peach to show the comparative sizes of these two varieties. Niagara is the largest, most beautiful, and most profitable of all peaches. It has been called the improved Elberta. It ripens between Early Crawford and Elberta. Its foliage is large and leathery, and the trees are remarkable specimens of vigor. It is the great market peach in Western New York. **WE OFFER 10,000** 3 to 4 feet N I A G A R A P E A C H T R E E S at a low bargain price. These trees are well rooted, well branched, straight and nice, just such as we would like to plant for our own orchard.

Small Sized Apple Trees.

WE OFFER 30,000 apple trees 4 feet high, well branched, nice straight bodies and good roots at a bargain price and a large assortment of varieties.



Small Plum Trees.

WE OFFER plum trees 3 to 4 feet high, and assortment of varieties. There are many of the famous York State prune in the lot which we offer at a bargain price.



Small Sized Standard Pear Trees.

We have several thousand Bartlett, Clapp's Favorite, Anjou, Seckel, etc., 4 to 5 feet high, on which we can make special low price. All these trees are in prime condition, bright and thrifty, such as would make desirable orchards. If you are thinking of planting, write us, stating what you want and how many and we will reply promptly giving prices that will surprise you. These trees are now in our storage cellars where they can be shipped any time during winter. Note that we have a full assortment of larger sized trees of all kinds as per free catalogue. Write us for prices.

Green's Nursery Co., Rochester, N. Y.

Our Correspondence.

In reply to a subscriber to Green's Fruit Grower I will say that native hickory nuts can be propagated by grafting but it is a difficult process, requiring considerable skill and experience. Grafting should be done in the spring before the trees have started to grow. No, I do not think that the seedling Spitzenberg apples will be more likely to produce good fruit than those of other well known varieties. Yes, these seedlings will do to graft other varieties on.

Peach in Tansy.—I have been advised of a peach tree forty years old that is healthy and fruitful. It was found growing in a bed of tansy and it was assumed that the tansy was so bitter and objectionable as to keep away all troublesome insects, particularly the white grubs that work in the roots of peach trees. I give this information for what it may be worth.—Steven W. Losey, Ill.

Editor Green's Fruit Grower:—Northwest Arkansas is a vast plateau of the Arkansas mountains with an altitude of 1,200 feet. We have vast territories liberally covered with apple and peach orchards, with strawberries, etc. The strawberry does particularly well here. No injury to fruit so far by the cold weather. An abundant crop is expected next year. Thousands of acres are being planted to peach and apple each season. Three berry associations near here have twenty-six hundred acres of strawberries ready to bear fruit and all are looking well and promise an abundant yield of fruit. Elberta peach is the leading variety for commercial uses. Ben Davis apple is the leading money maker in apples yet we have other varieties which have attained prominence.—J. B. Lee.

Leo F. Spayd of Indiana has an opportunity to lease an apple orchard embracing 140 trees and a pear orchard of 65 trees. These orchards are ill with briars and brush and have been neglected. He asks "What can I afford to pay per year for the lease of these two orchards?"

Reply: It is impossible to give an intelligent reply without seeing the orchard and its location. You do not state the age of the trees nor whether the land is low or on the hill-sides or hill-tops. The record of the orchard in bearing fruit during the past twenty years should be a guide for you. Even then I should prefer to plant my own orchard and give it good cultivation from the beginning rather than to clear out the brush and to attempt to renovate an old and neglected orchard like this. Orchards located on low and wet land cannot be made productive or profitable as a rule. You do not state what varieties of apples and pears these orchards contain. Everything depends upon the varieties. If the owner of this orchard has a good thing he would not be likely to lease it for any price that you would be willing to pay.

OUR FORESTS.

Editor of Green's Fruit Grower:—Do we love and appreciate our forest trees as we ought? There is something attractive and majestic about a large, tall, symmetrical tree. A tract of good sized timber is a valuable part of any farm. Our forests are growing less in area every year which ought not to be, and would not if proper care were taken. Various states have recognized this and have bought large tracts of lumber-land which are held as forest reserves. No tree ought to be cut until it has reached its maturity which is shown by its diminished growth and signs of coming decay. If this were followed instead of the greedy policy of cutting everything clean regardless of its condition the supply of timber would not be diminished and higher in price. Many who advocate the clean cutting of deciduous trees think little of it, expecting the second growth to come on and be ready for cutting in twenty-five or thirty years and so on. The second growth will come on unless the young shoots are eaten off by the cattle, or the stumps have no vitality, but this growth seldom amounts to more than firewood.—Wesley N. Peck.

Can a City Clerk Make Money on a Farm?—A subscriber to Green's Fruit Grower living in a large city, forty-one years of age, who has spent all his time in an office as a clerk, asks if he can make money by moving onto a little farm intending to raise mushrooms, squabs, ginseng, poultry, fruit, etc.

My reply is that no one can answer this question since everything depends upon the man and his ability. Some

men could succeed after making this very serious change, but very many could not. I know from experience that city men have a feeling that they want to live in the country but often when they try the experiment they are disappointed, or their wives or children are dissatisfied with the isolation of farm life, and further than this, they usually find profits small in the enterprises they undertake, as compared with city profits, but expenses are largely reduced. The profits of people who live on farms are small and the owners must be very economical in order to make any profit, at least on the start. If an old and experienced farmer has difficulty in making a profit on his farm how difficult must it be for a city clerk who has never had any experience on a farm. Therefore I hesitate about advising clerks who have good positions to give them up with the idea of going on a farm, though I did this same thing myself and succeeded, but remember that I was brought up on a farm and had considerable experience there before I went into the banking business in the city.

A Great Peach Section.—I have subscribed for Green's Fruit Grower ever since it was first published, twenty-three years ago. It is so good that I would not know how to get along without its regular visits. I get many valuable ideas from its interesting pages in regard to fruit growing and other subjects. I am a fruit grower. This locality is becoming a great fruit section. There were shipped from near by points over 22,000 bushels of peaches and yet we consider this only a partial crop. There were large shipments of apples also. Peaches grow here to perfection. The leading varieties are Elberta, Crawford's Late, Chilli, Golden Dwarf, Smock, Kalamazoo, New Prolific, Barnard and St. John. The varieties of apples are Baldwin, Spy, Ben Davis, Hubbardston, Bailey Sweet, Wagener, Roxbury Russet.—O. F. Marvin, Holton, Mich.

Green's Fruit Grower:—Last year, owing to damage done by locusts, I was compelled to trim a young orchard very heavily, in a number of cases taking out the central stem. This leaves a large number of forked trees. Unless remedied, when they commenced to bear, they will split. Trees have been out about four or five years. Query: Can I by intertwining branches from the two forked stems or by any other system remedy the evil? Again, in trimming trees so as to cultivate beneath them, the lower limbs have been removed. This has caused the tops of my pears, apples, and peaches, to run straight up. They are getting too tall. Can I with safety cut off the top branches? If so, to what extent, and at what season? Kindly answer next issue, and oblige. M. F. Dunn, Indiana.

Reply:—I should not have confidence in your plan of intertwining branches to avoid the splitting of forked branches of your apple and other trees. I should cut out, as soon as possible, all the crooked branches providing there were enough of the others on the trees. I do not think you will have any trouble with these trees making a good orchard if you trim them with care and do not allow too many branches. Three or four main branches are enough for any one tree.

A TWENTY ACRE FRUIT FARM.

Editor of Green's Fruit Grower:—I am thinking of buying a twenty acre farm to be devoted to poultry raising and fruit growing. Have grown all the small fruits in a small way; we have a cow, pigs, chickens and a horse. I have taken premiums on peaches, pears and grapes at our county fair from trees and vines bought at Rochester, N. Y., but have no extensive experience in fruit growing. I wish to begin on a small scale as my capital is limited. How can I plan this twenty acres less two acres set apart for the wood lot, so that one person can do all the work except at fruit picking time? How much ought an industrious man make from twenty acres devoted to poultry and strawberries?—Subscriber, Indiana.

Reply:—Fruit growing and poultry keeping go well together, and yet you would have to keep your chickens confined during the season of picking strawberries or they would consume much of the fruit. Much can be accomplished on a farm of ten or twenty acres. Since you desire to do most of the work yourself you should not plant over an acre or two of strawberries at the start. You do not say much about your soil or whether it is high or low

land. I may in
ally. I land an
berry c
careful
in buy
ries wi
You mi
to carri
two. I
prise.
look th
trouble.
fruit g
learn th
from m
year.
after th
near a
succee
much y
pend on

Editor
a subs
issue f
much,
growing
of the D
dollars.
bine o
consequ
crates s
saving

The r
apples.
crates p
after f
paid, \$1
\$750 per
One r
good sh
as after
tinuous
rate of
tijizer p
ten hour
but the
fast.

Will t
aphis a
or apple
vance v
vines?

Repl
and wh
season
more c
etc., on
they ar
will fo
particul
Labor
factor,
so. Al
seryman
the pla
the num
ness. I
is not
plant t
but the
elapse
cheaper
one and

A qui
ing; a
of geni
ing lov
a hund
no pain
right t
religion
osomphy

"Who
mob ta
rail, ho
lynch?"
mob, "
had no
showed
citizen

"I am
with Jo
boy, an
chief w
were i
mammal
cave, a
shooting
guns."

THIS
THE
high
GRE
FAM
one v
soc.
GREEN

land. If it is very low land late frosts may injure the strawberries occasionally. I should prefer up-land or rolling land and yet some of the largest strawberry crops are grown on low land. Be careful not to expend all of your money in buying the land since the strawberries will bring no money the first year. You might need a surplus fund of money to carry you through the first year or two. It takes time to start any enterprise. Unexperienced men often overlook this fact and therefore get into trouble. When I left the bank to begin fruit growing I was not surprised to learn that I could not get much revenue from my fruits until the second or third year. The revenue increased each year after that. You are in a good state and near a good market. I think you will succeed with economy and careful planning. You have my best wishes. How much you will make each year will depend on your ability to plan and manage.

Editor Green's Fruit Grower: I am a subscriber and have just read your issue for January and I like it very much, though the advice regarding fruit growing is not applicable for this part of the United States. A little note in the December number saved me many dollars. It was regarding the combine of crate dealers. This information made me look the matter up and consequently placing my order for 2,000 crates with a dealer not in the combine saving 2c per crate.

The money crop in this section is pine-apples. We raise from 300 to 400 crates per acre. Last season we netted after freight and commissions were paid, \$1.35 per crate and from \$400 to \$750 per acre.

One man can care for five acres in good shape after they are planted once as after being planted they bear continuously for years if fertilized at the rate of from one to three tons of fertilizer per year. Wages \$1.50 per day of ten hours. Our soil is poor, deficient in almost everything of fertilizing value but the growers are getting wealthy fast.

I remain, Very truly yours,
R. L. Goodwin, Florida.

Will the fight necessary to keep off aphids and other pests, and the scarcity of apple seedlings this year cause an advance in the price of tree plants and vines?—Peter Widner, Ohio.

Reply—Apple seedlings are high now and will be higher before the grafting season is over. Also, people are becoming more critical as to the aphids, crown gall, etc., on tree roots, as they learn what they are and how to detect them. This will force nurserymen to be more particular about the stock they send out. Labor seems to be a very dominant factor, and is becoming more and more so. All these things will force the nurseryman to ask more for his stock and the planter will have to foot the bill, or the nurseryman cannot continue in business. It should be remembered that it is not the original cost of a tree or plant that is the expensive part of it but the care of it and the time that must elapse before it becomes profitable. The cheapest tree that one can get is a good one and true to name, even if the price seems high at the time of purchase.—H. E. V. D.

A quiet home; vines of our own planting; a few books full of the inspiration of genius; a few friends worthy of being loved, and able to love us in turn; a hundred innocent pleasures that bring no pain or remorse; a devotion to the right that will never swerve; a simple religion empty of all bigotry, full of trust and hope and love—and to such a philosophy this world will give up all the empty joy it has.—David Swing.

"Who was the poor wretch that the mob tarred and feathered, rode on a rail, horsewhipped and threatened to lynch?" "Why," said the leader of the mob, "that's the fellow who wrote to the papers that the citizens of this town had no respect for law and order. We showed him that we were law-abiding citizens, you bet!"—Tit-Bits.

"I am always glad to have you play with Johnny Upjohn. He is a good little boy, and I know you won't get into mischief when you are with him. What were you playing, Tommy?" "Bandits, mamma. He was a murderer in a cave, and I was a detective, and we was shootin' at each other with wooden guns."—Chicago "Tribune."

THIS COMBINATION WILL INTEREST MANY THREE PAPERS ONE YEAR FOR 50c.
THE HOMEMAKER MAGAZINE, a high class story paper of Des Moines, Iowa; GREEN'S FRUIT GROWER, VICK'S FAMILY MAGAZINE. All three papers one year, to one or separate addresses, for only 50c. Address
GREEN'S FRUIT GROWER, ROCHESTER, N. Y.

What to Do Next.

Decide now what you are to do this spring in the way of setting out plants, vines and trees.

Do not delay sending in your order to the nurseries for such plants, trees and vines as you intend to plant.

Make a wise decision as to what varieties and how many of each variety you will plant.

In making out your order for the nursery write plainly with pen and ink and write your name and postoffice address, adding your county, before beginning the order. Many letters containing orders are lacking in the postoffice address or the name of the sender.

Garden and field seeds should be ordered now of the seed-houses. It seems natural for people to delay this important matter until the last moment, and then they desire speedy attention from the parties ordered of, which at that late date may not be possible.

In sending money for nursery stock or seeds it is safer to send postal money order, express order or bank draft.

If you have large orchards you must begin pruning now in order to get through that work before the leaves open. If you have only a few trees I should prefer to prune them just before the buds open in May.

Grape vines, raspberry, blackberry and currant bushes, etc., can be trimmed any time between now and the first of May.

Manure can be hauled at this season and spread directly upon the field from the wagon, or it can be piled up to rot. There is less loss where it is spread upon the field as drawn.

Prepare now a supply of fire wood and kindlings for the busy season coming.

Look over your farm harness, wagons and machinery and make all needed repairs at this season of leisure.

Look over your buildings and see whether any of them leak, or whether a board is needed here and there or a new plank in the floor.

Exercise the horses that have been standing in their stables without much work.

Clean out the poultry houses and carefully inspect them for lice.

Talks About Bugs.—Professor Steadman told of the insects which have been most numerous during the last season. The ones which were most numerous were fruit tree bark beetle, apple aphids and canker worms. The first-named insect attacks diseased and weakened trees, making a hole in the bark, the larvae burrowing beneath the bark. In a short time the insects will be very numerous, and the tree is often completely girdled by these insects working under the bark. Healthy trees are seldom affected, and the reason the insects have been so numerous lately is that the trees were weakened by the drought of 1901. The apple aphids appear in spring, while the leaves are very small. They belong to the sucking class of insects and are killed by spraying with kerosene emulsion or with a 10 per cent. mixture of kerosene and water applied by one of the pumps which mechanically mix oil and water.

Canker worms are hard to kill when they attain their full growth, but when trees are well sprayed with paris green, when the insects first appear, it is a comparatively easy task to rid an orchard of this pest.

Professor Steadman said that arsenate of lead has lately proved to be the best insecticide. It can be made by the orchardist, although this is not recommended, and can also be purchased ready made under the trade name of Disparene.

Even the Mortgage.—"The last cyclone we had was the best ever. Why, it struck my farm and lifted the house into the next state, blew the barn into the country three miles away, swept the land clear of fences and all the other buildings and didn't leave me anything but my cyclone cellar."

"Lifted everything off. In short," remarked the man who likes to work over ancient jests, "except the mortgage."

The Kansan smiled. "Took that, too," he replied. "Drove a fence rail into one corner of the barnyard and struck an oil well that put me on velvet for all time to come."—Cincinnati Times-Star.

Removal of Warts.—To remove a wart, pour on it a drop of vinegar, and then cover it with as much carbonate of soda as the vinegar will absorb. Keep it on ten minutes, and repeat the application twice or thrice daily. In a few days the wart generally drops off, leaving only a tiny white mark.—McCall's Magazine.

"Papa, is Santa Claus a really?" "Why, certainly." "Papa, is it true wot th' Bible says about Ananias?" "Of course, Willie." "Say, papa! You must have a wonderful constitution!"—Bath News.

SPRAYING

That's the Difference Between Success and Failure in Fruit Culture.
Big Fruit Crops always follow spraying done with the wonderful

Hardie Spray Pump

That's because they work with such a high pressure that the fog-like spray is forced into every hole and corner, and it stays there. These high-grade machines cost no more than the inferior kinds. Yet the results are so much more satisfactory.

And They Work so Easy
Our catalogue tells the whole story. It is free—send for it.

THE NOOK-HARDIE CO., 63 Main St., Hudson, Mich.



Works on either standing timber or stumps. Will pull an ordinary grub in 1½ minutes. Makes a clean sweep of Two Acres at a Sitting. A man, a boy, and a horse can operate it. No heavy chains or rods to handle. The crop on a few acres the first year will pay for the Machine. Send postal card for Illus'd Catalogue, giving price, terms and testimonials. MILNE MFG. CO., 325 8th St., Monmouth, Ill.

Combination Offers At Low Prices

Special arrangements have been completed whereby Green's Fruit Grower is able to present to its readers some great combination offers on papers and magazines for the coming year. We name a few below. If you will send us a list of any others you require we would be pleased to quote figures on same.

No. 1.

Woman's Home Companion,
Housekeeper Magazine,
Vick's Family Magazine,
Green's Fruit Grower.

All four papers one year for \$1.25. Publisher's price, \$2.60. See other liberal offers on another page.

No. 2.

Housekeeper,
Poultry Keeper,
Vick's Family Magazine,
Farm Journal,
Green's Fruit Grower.

All five papers one year for \$1.25. Publisher's price, \$2.60.

No. 3.

Reliable Poultry Journal,
Missouri Valley Farmer,
Woman's Magazine,
Green's Fruit Grower.

All four papers one year for \$1.25. Publisher's price, \$1.60.

No. 4.

Woman's Magazine,
Vick's Family Magazine,
American Poultry Advocate,
Housekeeper Magazine,
Green's Fruit Grower.

All five papers one year, \$1.00. Publisher's price, \$1.95.

No. 5.

Farm Journal,
Vick's Family Magazine,
Green's Fruit Grower.

All three papers one year for 60c., the value of one. There are others nearly as liberal on another page.

No. 6.

Woman's Magazine,
Vick's Family Magazine,
American Poultry Advocate,
Green's Fruit Grower.

Publisher's price, \$1.35. We send all four papers to one or separate addresses for 65 cents.

No. 7.

Vick's Family Magazine,
Woman's Magazine,
Green's Fruit Grower.

All three magazines for 55c. Publisher's price, \$1.10.

No. 8.

Woman's Home Companion,
Vick's Family Magazine,
American Poultry Advocate,
Green's Fruit Grower.

All four for a whole year, \$1.15. Publisher's price, \$2.25.

Address, GREEN'S FRUIT GROWER, ROCHESTER, N. Y.

How To Test Coiled Spring Wire.

Take a piece of No. 12 wire and coil it firmly around a inch rod often, as shown in figure 1. Try to pull the wire from the end of it. You may think you have done so, but open the coil again and it will be in the shape shown in figure 2. Then look along the wire as you would a gun barrel; it will appear as shown in figure 4—has the appearance of a tube.

This explains the great advantage of COILED SPRING WIRE and how it provides for construction and expansion.

The weave of our fence is so perfect that full strength of every wire is preserved.

Every twist is an expression of strength. Good enough to last a lifetime. We make it.

HORSE HIGH, BULL STRONG, PIG AND CHICKEN TIGHT,

Using only High Carbon Heavily Galvanized Coiled Spring Steel Wire; to get this good enough we make it ourselves. Best wire makes the best fence. We ship any style of fence we make.

DIRECT TO THE FARMER ON 30 DAYS TRIAL, AT FACTORY PRICES.

Freight prepaid. Please write us. We want to send you our Catalogue. It is free.

KITSelman Brothers, Box 66, Muncie, Indiana, U. S. A.

How Some of Our Readers Can Make Money.

Having read of the success of some of your readers selling Dish-washers, I have tried the work with wonderful success. I have not made less than \$9.00 any day for the last six months. The Mound City Dish-washer gives good satisfaction and every family wants one. A lady can wash and dry the dishes without removing her gloves and can do the work in two minutes. I got my sample machine from the Mound City Dish-Washer Co., of St. Louis, Mo. I used it to take orders and sold 12 Dish-washers the first day. The Mound City Dish-Washer Co. will start you. Write them for particulars. Ladies can do as well as men.

JOHN F. M.

A Good Business Chance

I have the best known "Formula" for manufacturing the "Dry Powder Fire Extinguisher" which I will sell cheap. For terms, address, Box 664, Rockland, Mass.

GINSENG Fortunes in little gardens—easily grown; hardy everywhere. Roots and seeds for sale; plant in spring or fall. Complete ginseng book and copy of "Ginseng Culture" magazine. Write to-day and get posted.

OZARK GINSENG CO., Dept. 58, Joplin, Mo.

"This for That" Trade anything you have for anything you want. Get our gigantic paper which prints thousands of change advertisements. Six months' trial subscription, 10cts. "THIS FOR THAT" P.C.B. CO., 6-121 Star Ridge, CHICAGO.

PARKER'S HAIR BALM Cleanes and beautifies the hair. Promotes a luxuriant growth. Never fails to restore Gray hair to its former color. Cures scalp disease & hair falling. 5c. and \$1.00 at Druggists.

WANTED: 10 men in each state to travel, tack signs, and distribute circulars and samples of our goods. Salary \$60 per month; \$3 per day for expenses.

KUHLMAN CO., Dept. F., Atlas Blk', Chicago.

Free Gold Watch

This fully warranted bezel Gold Plated Watch, equal in appearance to a \$10.00 Gold Filled Watch. It is given away to Boys and Girls or anyone for filling up pieces of our handsome jewelry at 10c. each. Send your address and we will send the jewelry postpaid, when sold send us the \$2 and we will positively send you the watch, also a certificate of value. Write to-day. BOND JEWELRY CO., DEPT. 48, CHICAGO.

FLOWERS Park's Floral Magazine, trial. Park's Floral Guide, 1904, and Park's Seed Pkg., 1000 sorts, for a big bed that will surprise you with new flowers every day all summer, all for stamp. Geo. W. Park, B63, La Park, Pa.

FIRE "The Home Fire Extinguisher." THE MODERN FIRE FIGHTER. A dry powder chemical compound that blots out any flame. Write for catalogue. Agents wanted.

THE HOME CHEMICAL COMPANY, 107 Adams Street, Rochester, N. Y.

IMPROVED truss. Pay no money until satisfied. Send for booklet.

A. B. PERRY 818 S. S. Rochester, N. Y.

Vital-Vine Is the "LIFE LINE"

that saves women from dangerous surgery and quickly cures them of womanly complaints. Booklet on nervous diseases mailed free.

HANFORD VITAL-VINE CO.

Rochester, N. Y.

BEFORE BUYING Send 4 cents postage for illustrated Catalog with full description and prices to consumer.

King Harness Co., No. 14 Lake St. Owego, N.Y.

FARMS For rich farming, fruit growing, fine climate... J. D. S. HANSON, HART, write... MICH.

NO MORE BLIND HORSES. For Specific Ophthalmia, Moon Blindness, and other Sore Eyes, BARRY CO., Iowa City, Iowa, have a SUKE CURE.

I CAN SELL YOUR FARM—Business—ANY PROPERTY—Any size—Any place. Particulars FREE.

W. B. GIBSON, WEST ALEXANDER, PA.

FOR INFORMATION as to Fruit and Trucking Lands, Grazing Lands, Soil and Climate in Virginia, North and South Carolina, Georgia, Alabama, and Florida, along

The Atlantic Coast Line Railroad

Write to WILBUR McCLOY,
Agricultural and Immigration Agent,
JACKSONVILLE, FLA.

FRESH PECAN NUTS FOR SALE

The Louisiana pecans are the finest in the world. Sam. H. James of Mound, La., is the largest grower of fine pecans in America. He prepares express on all shipments into Northern cities. He has also full line of Pecan Nursery stock. Chas. A. Green, editor of this paper, buys his eating pecans from Mr. James and considers them the very best.

Please mention Green's Fruit Grower.

LEARN PROOFREADING.

A profession that offers literary opportunity with pecuniary profit, is one that intelligent people desire. We, the original proofreading school, can prepare you for the work more thoroughly than any other.

Home Correspondence School, Philadelphia.

5,000,000 STRAWBERRY PLANTS

Wholesale and retail. Quality the best. Prices the lowest. All of the best varieties. Catalogue free. Write to-day. Lock box 1, Parsonsburg, Md.

Enlarged Prostate Gland.—This is the cause of difficult and painful urination in men over fifty years old. The treatment is simple. No medicine necessary. A friend has been relieved at an expense of hundreds of dollars. We will send you his method and thirty years' experience on receipt of 25 cents. Address, Green's Fruit Grower. Rochester, N. Y.

Notes From the Nursery.

By E. H. Burson.

January—During this month several men are kept busy making up tree boxes ready for the spring packing. One hundred elm logs have been cut and hauled to the mill during the fine weather of last month and these will furnish end pieces and middles, all or more than are needed. Hundreds of several different sizes are made up from 10 inches square, 8 feet long up to 30 inches square 10 feet long. Many thousands of feet of pine lumber, and tons of nails and band iron are put into the construction of these boxes.

In that little room off the box-making room will be found one or two men grafting apple roots—good roots and scions, a sharp knife and a clear eye are great factors towards good apple grafts.

Off to the east are seen several men evidently tramping down snow between the rows of fine 2 year apples. This is not the smallest item of work during the winter. Oftentimes trees are nearly if not quite buried during a blizzard and if allowed to settle on to the trees much damage would follow.

Here is a man who has been taking an inventory. "Pretty late for an inventory," you will say, "should have been taken during fine weather." Yes that would have been well, but winter set in before we had nearly completed the expected digging, so that was about impossible this time. Speaking of inventories, this is quite a consideration. Every tree, shrub, plant and cutting must be counted whether in the cellars, trenches, undug, or recently planted out. Then the tools and supplies, which take up more than one page of a good sized book to inventory, I assure you.

In the office may be seen ten or a dozen folks (largely the wives of as many of our men) busy getting the 1904 catalogue into bags for the post-office. If we get the catalogues in reasonable loads from the printers and binders the issue of 150,000 will take this gang about 15 days to get off. The postage needed for this will be \$4,500.00. The catalogue is a six ounce one of 112 pages. Years ago it was thought wonderful for a girl to put on 5,000 stamps in a day, but now 15,000 to 18,000 are put on by one person without making any unusual effort.

In that yard will be seen six or seven horses that were not needed kept up for winter work. These are being fed fairly well and will be in good shape for the spring work when it opens up. Notice that adjoining the yard are comfortable sheds, well bedded. In addition to the benefit the horses will get, considerable manure will be made and this is by no means a small item here. In the stables will be found four teams, sharp shod for business, in addition to one or two buggy horses.

Mice and rabbits seemingly bother some of your readers and I must own that they have to have attention here. Today I have visited every block of trees on the place. Previously the snow has been trodden firmly along the sides nearest the fences and hay fields, and along the ends. Here and there a round hole in the snow would show that a mouse had been that way, but apparently their mouseships are not so plentiful this season as last, and it would appear as if little if any damage has been done, but yet one cannot always tell. They do their work under the snow and delight in the nice fresh bark of a two-year-old apple tree especially. But the usual precautions having been taken before the snow came, such as banking up to single fruiting trees and plowing up to the rows, I anticipate little damage anyway. As for the rabbits, these were hunted pretty well in November and December. There are a few left (not the ones that stand on their hind feet and eat the tops of a three-year-old tree), and these if they show a fondness for succulent fruit trees will share the fate of their fellows. A hound, a ferret, and a man behind a gun attends to that part of the programme.

A Remedy for Mice.—The mice that bother are the large, bobtailed meadow kind and do not take readily to any kind of dry feed, such that a barn or deer mouse would. I have had partial success with sweet apples, carrots and corn doctored with strichnine; also with cornmeal mixed with strichnine and water, and dropped into their runs or put under an armful of cornstalks.

A plague of white ants is devouring the wooden houses in New Orleans.

35 Cents

for Perfection
Hand Sprayer.
With 1 ft. extension
tube, etc. Our
large complete catalog
shows all styles spray
pumps, from 10c. up.

70c.
Buys our
Universal
Bottle Pump
with accessories
for fruit trees, 50c. Our
large complete catalog
shows all styles spray
pumps, from 10c. up.

\$1.35
for auto-
matical
sprayer
with steel
blades.

17c.
for these
Pruning Shears
with best
steel blades.

42c.
buys our
Universal
Bottle Pump
with brass
cylinder, suc-
tion pipe,
hose and noz-
zle.

\$4.50
for this
bbi Spray
Pump with
brass cylin-
der, suc-
tion pipe,
hose and noz-
zle.

70c.
Pruning Shears
Pruning and
Grafting
Knives, etc.

\$1.95
for this
Solid Brass
Watering Can
with hose and
nozzle.

\$4.95
buys this
double act-
ing Tank
Pump com-
plete. Cap-
acity 2 bbls., min-
imum 10 ft. rise.
Sprays fine
or coarse.
Guns up to
suction hose or iron pipe.

CUT THIS AD OUT

age on back is 14 cents; send 10c to help pay it.

SEND NO MONEY \$4.50

WE WILL SEND THIS \$15.00 ALL
WOOL SUIT C. O. D. FOR



To every purchaser of a suit sending in ten names and addresses we will give a Pocket Watch, FREE OF CHARGE.

We will ship C. O. D., with privilege of examination, a strictly all wool black cheviot, military style, round cut sack suit. Made in the latest style. Has broad padded shoulders—self-sustaining front. Cut and made in our own factory. Has a fine, double warp farmers satin lining, reinforced at armholes, neat shaped, hand worked collar and lapels, one inside and three outside pockets. Vest equally well made. Pants cut over the latest English patterns. Has two hip, two side and one watch pocket. Shaped legs. Suit sewed throughout with silk and linen thread. The Louis & Harold Co. make a specialty of medium priced men's and children's clothing—all made in their own shop. We guarantee every suit shipped to be as represented, and if they are not in every way satisfactory and as described and represented, you may return them at our expense and we will pay charges.

The way to take measure: Number of inches around chest close up under arms for breast measure. Under the vest around the waist, just above the hips for waist of pants, and from close up in crotch to heel for length of pants. Take these measurements carefully and send them to us, and we guarantee a fit. Send for our circular of samples, showing the greatest values ever offered in men's suits at strictly manufacturers' prices. Remember, we manufacture our own suits, and are prepared to fit anyone. We only ask for a trial order—we assume all the risks, and show you what we can do in saving you money without expense to you.

Free samples of Cloth, showing the quality of our goods, also measurement blanks and tape line, sent on request. Address

LOUIS & HAROLD CO., (not inc.)
214-218 E. Van Buren St., Chicago, Ill., U.S.A.

JOHNSTON ORCHARD DISK HARROW



With Extension Frame for
Cultivation of Orchards.

Throws the soil to or from the trees. Cuts deep or shallow in the center. Cuts at any angle. With either 16 or 18-inch, Solid or Cut-out Disks. Ask for Catalogue.

The Johnston Harvester Co.
Box CG, BATAVIA, NEW YORK, U. S. A.

HARRISON'S

THE APPLE is always first. We
have the greatest variety of
apples, all well-grown in quality of stock.
Summer, fall and winter apples, all
well-rooted, healthy, strong fruit-
ers, over one hundred varieties.
CONCORD GRAPES never go
out. Stock large and exceedingly
fine.

HARRISON'S NURSERIES,

FRUITS.

Moore's Early and all the
other choice sorts. We are strong
on the great ALBERTA PEACH.
None so delicious or prolific.
Beautiful golden yellow. A fine
market sort. All the other good vari-
eties. Ask for 1904 free catalogue.

BOX 11, BERLIN, MARYLAND.

Sparks' Earliana Tomato
Pays big—earliest large smooth tomato ever grown. Uniform
size; beautiful color; three times as produc-
tive as any other.
15c pkt.; 40c ½ oz.; 80c oz.; \$2.50 ¼ lb.; \$9 lb.
Quick-Cash Cabbage
Well named. Yields more to the acre and earlier than
any other cabbage. Its solid flat heads can be marke-
ted before fully grown. Most profitable and desirable
early cabbage ever offered.
15c pkt.; 30c ½ oz.; 60c oz.; \$2 ¼ lb.
Garden and Farm Manual—Free
JOHNSON & STOKES Department F
By Special Appointment "Sediment to the Money-Makers"
217-219 Market Street Philadelphia

This ELEGANT Watch \$3.75

Before you buy a watch out this and send to us with
your name and address, we will give you a
free examination and a handsomely engraved
WATCH AND
CHAIN. C. O. D. \$3.75.
If you consider it equal to my \$35.00 GOLD
WHEEL WATCH, forward it to us. We will
pay the express charges \$3.75. If it is better,
our 20 year guarantee sent with each watch. Mention
if you want Gent's or Ladies' size. Address
H. FARRELL & CO., 228, 23 Quincy St., CHICAGO.

ANTISEPTIC STICKING SALVE

The kind you bought 40 years ago—the
kind that never disappoints. Sample sent
for 1c. stamp. Agents wanted everywhere.

Hull's Salve Co., Augusta, N. J.

VIRGINIA FARMS!

Improved farms can be bought cheaper in Vir-
ginia than anywhere else. This section has
been overlooked, but now Northern farmers are buying
the lands rapidly. The land is admirably adapted to
grain, cattle and fruits. Good markets are conve-
nient. The climate is delightful. We have many
elegant farms and country seats in Virginia and
other states. Small catalogue free. Large ca-
talogue entitled "Virginia and Carolina Illustrated,"
for 25c. This has descriptions of hundreds of farms
with photographs. Finest farm catalogue issued.

Address, THE AMERICAN LAND CO.,
33 Kelly Building, SPRINGFIELD, OHIO.

Please mention Green's Fruit Grower.

WADDELL'S

Also distributing \$100.00 per month
payment to go to the WaddeLL Company.

WADDELL'S COMPANY, CHICAGO, ILLINOIS.

Pages Seed Co.

**Great for Ears
Great for Ensilage**

Here's a variety of corn every farmer will do well to test; a corn productive of both ears and stalk; a corn that is high in quality, early in growth; no barren stalks, every stalk full of ears, ears large, yellow, tender, sweet. Produces a paying crop when other varieties would be grown at a loss. This year's seed is fine. Pk. 50c; bu. \$2.00; 10 bu. or more \$1.75 per bu. Our catalog is full of flower, and field seeds. It is free. Corn manual free.

The Page Seed Co., Box 11, Green, N.Y.

Please mention Green's Fruit Grower.

Strawberry Plants

All the best new and standard Strawberry, Raspberry and Blackberry plants. Vigorous, Hardy Rooted and true to name. Our prices are right and we guarantee satisfaction. Low transportation and prompt shipments. Illustrated and descriptive catalogue free.

A. R. WESTON & CO.
R. F. D. No. 3.
BRIDGEMAN, MICH.

Please mention Green's Fruit Grower.

CHOICE PLANTS—SPRAYED STOCK.
Warranted first-class and up-to-date. Strawberries, Raspberries, and Blackberries. Guaranteed to arrive by mail or express in perfect condition. Catalogue free.

C. W. GRAHAM, AFTON, N. Y.

CANCER CURED.
Written guarantee. No knife. No blood. No poison drugs. No pay until cured. Illustrated book free. Investigate me to-day. Address Home Office, Dept. A. DR. E. E. GRAY, 215 S. Ill. St., Indianapolis, Branch Office, Shelton, Conn.

Washington Ivy. Handsome evergreen foliage, attractive and fruit. Makes grand borders and clusters. Mailed, 10 cents each, 3 for 25c.
RIDGEWOOD RANCH, FAIRFIELD, WASH.

DO YOU KNOW A FARMER?
For 10 cents and the names and addresses of 10 farmers who own and live on farms we will send either of the following go cent papers x 2 years:
FAIR NEWS, Monthly, Springfield, Ohio,
FARM AND TRADE, Nashville, Tenn.
Terms on other papers on application. Write us.

THE CENTRAL SUBSCRIPTION CO., 51 Press Bldg., Springfield, O.

DO YOU SCRATCH?
Eczema, Itching Skin Diseases Cured.

I made the discovery of a method that permanently cured me of eczema. I do what no physician can do. Send six cents for trial treatment.

W. A. BULLARD, 531 Theodore St., Detroit, Mich.

LADIES to do plain sewing at home. Steady work, 50c per week. Materials sent everywhere free. For particulars send addressed envelope.

DU PONT DEPT. 588, Box 1382, PHILA., PA.

TO FRUIT GROWERS

All who may need Small Fruit Plants, Strawberry, Blackberry, Red and Black Raspberry. True to Name. Plants fresh dug. Put up on short notice at reasonable prices. Write for Free Catalogue.

E. MAUDLIN, Box No. 5, Bridgeman, Mich.

BOOKS and Bibles. Illustrated catalogue free. Address W. N. LONG, FLORENCE, N.Y.

Are You a Strong Man?

If your nerves are out of tune and you are losing confidence in yourself; if your strength is waning and you feel your vitality slipping away—no matter what your age, or what caused your lack of vigor—write to me (Geo. S. Beck, 44 Main St., Springfield, Ohio,) and I will tell you truthfully about the "Wonder-Worker" that cured me when I was in the same condition you are in. Please mention this paper, which is authorized to publish me as a fraud if I fail to do as I agree.

RUPTURE Positively CURED
I have cured thousands and can cure you. It never fails. H. M. ALLEN, M. D., Rooms 23 to 31, Telephone Building, Reading, Pa.

RUPTURE
CURED while you work. No cure, no pay. ALEX. SPEARS, Box 135, Westbrook, Maine.

1427 Fifth Floor, Columbus, Ohio. **Cards**

VALENTINES 250 LACE & COMIC VALENTINES. 50¢ each. 100 PACKAGE BEAUTIES. 1 gross COMIC or 50 LACE Valentines 50¢. 4 OUR FINEST, \$1.00. We pay postage. **VALENTINE MFG. CO.**, New Haven, Conn.

RUPTURE CURED while you work. No cure, no pay. ALEX. SPEARS, Box 135, Westbrook, Maine.

1427 Fifth Floor, Columbus, Ohio. **Cards**

FAT
How to Reduce It.
Mr. Howell, 544 E. 5th St.,
Hartford, Conn. "In
reduced my weight 40 lbs. 5
years ago, & I have not gained an ounce since." Family vegetable
list, 10c. All kinds of vegetables. We will send off a full partic-
ulars in airmail for 4 cents for postage, etc.
Hall Chemical Co. Dept. 164 St. Louis, Mo.

THIS BEAUTIFUL RING
Isapt with 3 in. Rubies and 4 in.
Diamonds; it is Solid Gold finger-
ring and guaranteed for 4 years.
Send us names and addresses of
those who have Pianos or Organs,
etc., and we will send you this
Ring. Address Walter Mfg. Co.,
125 Water St., Dept. 22 New York.

WANTED Reliable men in every locality to
introduce our goods, taking up
show cards on trees, along
streets, in public places, etc. Commissions or salary
\$100.00 per month and expenses not over \$2.50 per day. Steady em-
ployment to good men. No experience needed. Write for parti-
culars. **EMPIRE MEDICINE COMPANY**, Buffalo, N.Y.

Profit in Poultry.

Is there anything on the farm that pays better than poultry or the hen? asks the Epitomist. Some say that there is no profit in poultry, but this depends upon who is in the business. In many homes the poultry money clothes the children and gives the farmer's wife many a necessity that otherwise she would be compelled to go without. Often the hen on the farm is greatly neglected and has to pick up her food wherever she can find it, yet she attends strictly to business and gives one an idea of her value when carefully attended to. In many of the poorer homes eggs are all the money the families ever see, and these are exchanged at the small stores for necessities. A few years ago it was almost impossible to get cash for eggs in the country, but now there are regular poultry agents who pass over all the leading highways paying the highest market prices for poultry and eggs. When one gives time and study to poultry it pays wonderfully, and some go so far as to say that the hen is the greatest wealth producer in America. However this may be, it is certain that more attention is being given to poultry than ever before.

There are many who use eggs as a substitute for meat, and there will always be a demand for them no matter how much the price varies with the season, and as the highest prices are realized during the holidays one ought to manage so as to have the pullets come into laying at that time. Neither the old fowls nor the pullets will lay during severely cold weather; however, unless given the warmth they require and the proper food.

Practical Poultry Points.

The best form of lime for poultry is oyster shells or mortar lime. Grit should be in the pens at all times.

If cement floors are used, place three inches of earth on top.

Hens that have full liberty will give more fertile eggs than those that have not.

You will get stronger eggs from old hens, but make your pullets do the winter laying.

In feeding for eggs, feed grain in the morning, to make the hens exercise, mash in the middle of the day, and a good grain feed at night. Use the animal food with the mash, and place the vegetables and the grit in the pens. If you follow this course, hens will lay in winter.

Stick to Pure Breeds.—One of the worst features of the poultry business, says "Maine Farmer," has been the craze for something new, leading the breeders into a realm of discontent where they are all the time attempting something new. One of the worst mistakes is that of crossing pure breeds, because these breeds, as a rule, have been built up through patience and energy for a particular line of work and crosses are sure to injure rather than help. In fact, the meanest mongrels to be found are those which are the result of crossing two of our best breeds. Better by far select the breed you like best and then stick to it, improving it, weeding out the inferior birds and breeding always from the best and selecting the males from birds that have descended from great producers. In this way we build up.

Suggestions on Pruning.

The following suggestions on pruning are made by Professor Maynard, of the Hatch, Mass., experiment station:

"1. The knife or saw should never be used on fruit or ornamental trees unless there is good reason for so doing.

"2. Train all trees while young with a central leader or main shoot, and never allow two main branches to grow in such a way as to have the weight of the tree come upon a fork of the main trunk.

"3. When branches cross so as to be injured by rubbing together the weaker of the two should be cut out.

"4. When one branch rests on another under it the weaker of the two should be cut out.

"5. Suckers or water sprouts should be thinned out before they have made much growth, but if the main branches are bare, or if the head is open in places, suckers should be allowed to grow where they will cover this condition.

"6. If large branches are to be removed make the cut in the middle of the enlarged part where it joins the main branch or trunk and not quite in line with the face of the main branch or trunk.

"7. Paint all wounds above one-half inch in diameter with linseed oil paint, gas tar or grafting wax.

"8. Never cut away the main branches of a tree, if it can be avoided, but thin out the head when it becomes crowded from the outside. This can be quickly done with a pruning hook on a long pole,

and little or no injury will result, while if the large branches are cut from the trunk the tree is weakened and soon dies or is broken down.

"9. Cut off dead branches as soon as discovered and cover the wound with paint to prevent further decay.

"10. In training young trees start the branches low; the trees will grow better, the thinning and gathering of the fruit will be more easily done and the cultivation can be well and cheaply done with the modern harrow and weeder as if the head were higher, while the trunk of the tree and the ground under it will be so protected that the growth will be better than if more exposed."

"I thought she was going to marry an English duke."

"No. Her father found a Russian prince that he could get for half the price."—Chicago "Record-Herald."

**Two Million
STRAWBERRY PLANTS**

Every one of them good honest plants with an abundance of branching rootlets. Good big crowns. Free from disease and in the most thrifty growing condition. Guaranteed true to name and variety. No other grower can produce anything better. Our

STRAWBERRY CATALOGUE

contains 50 pages of matter devoted exclusively to strawberries. Gives good, straightforward and honest descriptions of the various kinds we grow. Tell just what each has done in fruiting here on its own farm.

Write for free catalog to-day, quoting low prices and discounts for large quantities. It's sure to make and save you money.

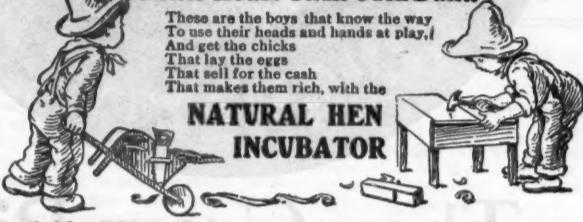
J. W. JONES & SON, Box 22, Allen, Md.

Please mention Green's Fruit Grower.

Strawberry Plants All the leaders. Prices right. No disease or blight. Climax, Auto and Uncle Jim are Money Makers. Prices right. Order our Catalogue to-day.

CALEB BOOGES & SON, CHESWOLD, DEL.

Ask your doctor about Ayer's Cherry Pectoral for colds, coughs, croup, asthma, bronchitis, consumption. *J. C. Ayer Co., Lowell, Mass.*

Better House Than Jack Built.**NATURAL HEN INCUBATOR**

These are the boys that know the way
To use their heads and hands at play,
And get the chicks
That lay the eggs
That sell for the cash
That makes them rich, with the

It's All Play in the Poultry Business

if you have the hen on your side. She's better and surer than high priced patent boxes. We make full use of her in our plan of hatching and that's why we call it the Natural Hen Incubator. It's the one that's different. It is run by the hen's own instinct. You can bring off any size hatch you want, and the cost is only a trifle. For example, the 200 egg hatcher costs only \$3.00. Anybody can put it to work and get success with the hen to help. Over 147,000 now in use. We would like to show you what the people say. Agents have easy work selling our plans. The sale is made when a poultry raiser catches the idea. We send Catalog and 25c Lice Formula Free. Write us for them.

NATURAL HEN INCUBATOR CO., Box B-72, COLUMBUS, NEBRASKA.

JUST THIS ONCE

to poultry keepers or any one interested in this pleasant and profitable industry who will mention Green's Fruit Grower, we will send for the small sum of 12 cents, cash or stamps, a sample number of Farm-Poultry, and a copy of our regular twenty-five cent book, entitled,

A Living From Poultry

By MICHAEL K. BOYER.

Tells what steps to take to establish a profitable poultry plant; how much land is needed; best soil for poultry; buying a farm on installments; brief chat on houses, and how they should be built; best breeds for eggs, broilers and roasters. The crowning feature of the book is the chapter telling what can be accomplished with capital ranging from fifty to one thousand dollars.

We want you to know just how valuable a publication Farm-Poultry is to poultry raisers wishing to obtain greatest possible profits from their flocks. This is an exceptional offer, and you should order at once, as this ad. will not appear again.

FARM-POULTRY PUB. CO., 232 Summer Street, Boston, Mass.

A NEVER FAIL HATCHER

The Improved Ormas Incubators and Brooders are not the "failure" kind, as our patrons testify—see proof in our catalogue, which we send free for the asking. Incubators from \$6 up. Brooders from \$4 up. Fully warranted. No better on the market. Easy to operate. Self regulators. Self ventilators.

L. A. BANTA, LIGONIER, INDIANA

BARRED PLYMOUTH ROCKS.

This breed is as solid as its name and is often called the "Farmer's Friend," the "All 'Round Fowl," the "Old Reliable." It is the bird for business, and deemed by many the best fowl for farm and home raising. It is not only a good layer, but is quick to develop for the early market. As a far-sighted farmer once said to us, "When you kill one you've got something."

WHITE WYANDOTTE

Is one of the handsomest fowls known; large size, good layers, and highly prized for its meat. The New York markets will, in time, more fully appreciate the value of the Wyandotte for its delicacy on the table of the epicure. It will be noticed that no breed has all the good qualities, therefore, if we want all the good qualities, we must have more than one breed, but surely no one can make a mistake in breeding the White Wyandotte, considering their beauty, egg laying propensities, and desirability in markets of the world.

SINGLE COMB BROWN LEGHORNS.

The Popular Leghorn.—The acknowledged queen of the practical egg laying breeds is the Leghorn, when judged by the standard of the greatest number of marketable eggs produced at least cost. Not only are the hens persistent layers, but they are extremely active foragers and waste no time in setting. Like a good milch cow they put little fat upon their bones, but devote all surplus nourishment to steady production. They eat less than the heavy breeds, but whatever they consume is put to good purpose. Price of B. P. Rocks, White Wyandottes, and S. C. Brown Leghorns, all one price as follows:

Cockerels, \$3.00 each; Pullets, \$2.50 each; Trios, \$6.00. Eggs in season, \$1.50 for 13. Wyandotte Pullets or Cockerels, \$3.00 each.

GRBBIN'S NURSERY COMPANY.
Poultry Department.

ROCHESTER, N. Y.

FITS CURED

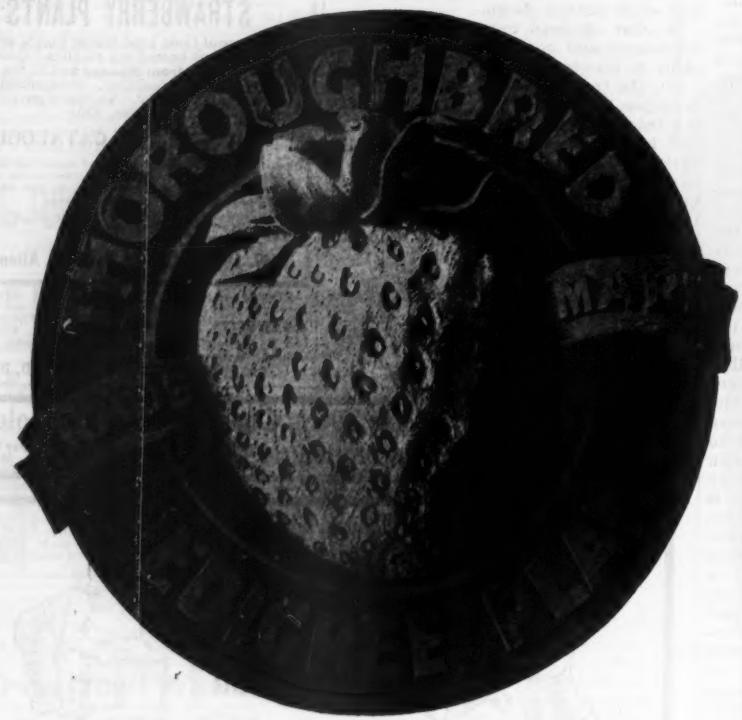
I wish every one suffering from Fits, Epilepsy, or Falling Sickness, to send for my large and 16 ounce bottle of **MY REMEDY HAS CURED WHEN ALL OTHERS FAILED.**

DR. F. E. GRANT, Dept. 23, Kansas City, Mo.

Strawberry, Raspberry and Blackberry PLANTS.

A large and fine stock. All of the best new, and old standard varieties. Northern Grown Plants as well as seeds, are the best. Our Catalogue is valuable, both in information and low price of stock. Don't fail to send for it. It may be worth Dollars to you.

**DAVID KNIGHT & SON,
SAWYER, MICHIGAN.**



They Grow Big Red Berries

Physically Developed Plants.

GREAT CROPS OF STRAWBERRIES AND HOW TO GROW THEM

The book of all Strawberry Books

It is a treatise on Plant Physiology and explains how to develop the fruit organs in a plant. Improving plants through physical changes in buds is now recognized as correct by all advanced horticulturists. If you want to be the strawberry mogul in your community, send for this book.

FREE

R. M. KELLOGG
Three Rivers, Michigan



Strawberry & Raspberry Plants

of all the new and old sorts in large or small quantity.

PREMO DEWBERRY. No one can afford to miss giving this a trial.
ELDORADO BLACKBERRIES. PEACH TREES. A GENERAL LINE OF ALL OTHER NURSERY STOCK.

Ask for FREE catalogue.

ANGUS AND HOLSTEIN CATTLE. Registered and grades, all ages and sexes, and of champion blood for the beef and milk strains and at moderate prices.

MYER & SON, Bridgeville, Del.

Cyphers Certainty

We are anxious to send a Cyphers Incubator to every person who has been sorely disappointed and disgusted by a "guess work," wrongly and cheaply constructed machine. Do not give up! There is one artificial hatcher you can depend upon—the certain to please or your money back—the genuine

Cyphers Incubator

Adopted and endorsed by 36 Government Experiment Stations. Used by more successful poultrymen than all other makes combined. We positively guarantee that you can hatch more chicks with it than with any other make. Complete catalogues for 1904 free if you mail us this paper. Address nearest office:

CYPHERS INCUBATOR COMPANY, Buffalo, N. Y. Chicago, Ill. Boston, Mass. New York, N. Y.

Ask for our free, "Poultrymen's Handbook" catalogues.

SHETLAND PONIES

GIVEN AWAY

Everybody should send for my 1904 Seed Catalogue and see how Shetland Ponies can be raised. I will send a large full of Seeds, Plants, Bulbs, Flowers, Special Offers in Birds, Reptiles; colored plates; hundreds of illustrations and maps. 10c each coupon, worth lots to all, for only 50¢. Send for it today.

25 PACKETS SWEET PEAS 25¢
All different varieties. Some of the expensive new ones.

The MOST LIBERAL OFFER of the Year.
To Introduce Our Seeds to New Customers.
HEMAN GLASS SEED CO.,
BARNARD, N. Y.
Send for Illustrated Garden Guide.

The profit to the government on pennies pays the entire expense of the mint.

Stranger—Say, can I get a divorce on the grounds of insanity?

Lawyer—Possibly it might be arranged. Is your wife insane?

Stranger—No, but I must have been crazy when I married her.

Muggins—When I was in Paris last summer I had the time of my life.

Wiggins—Why, I was there with my wife summer before last and didn't enjoy it a little bit.

Muggins—No, of course not.—Chicago News.

"I see that Professor Langley's airship is to be used in warfare," remarked the man in the end seat of the open car. "I suppose it could be utilized in that way," thoughtfully observed the man behind him, "if the enemy could be coaxed to wait around until it fell upon them."—Cleveland Plain Dealer.

Call it happiness or call it blessedness, the life whose end is righteousness is a life which satisfies, and which one is not only willing but glad to live; its ways are ways of pleasantness, and all its paths are peace.—Rufus Ellis.

Professor C. S. Crandall of the University of Illinois confined himself to such fruits as could be grown in Illinois, as raspberries, blackberries, currants and gooseberries, says "Country Gentleman." Of the European raspberries a good many varieties were grown thirty or forty years ago, but were now almost entirely discarded on account of being subject to disease, and those that are now grown are native specimens. These bush fruits should not be planted on sod land, but the land should be cultivated in a hood crop for a season before planting either raspberries or blackberries. Care should be taken in transplanting to take the plants up and transfer them to the planting place without exposure. The best time for setting out the red raspberry is in the spring, choosing shoots that are from four to six inches high, taking them up with a ball of earth around the roots, and putting them in their permanent resting place with as little disturbance of the roots as possible.

He had risked his life to rescue the fair maid from a watery grave, and, of course, her father was duly grateful.

"Young man," he said, "I can never thank you sufficiently for your heroic act. You incurred an awful risk in saving my only daughter."

"None whatever, sir," replied the amateur lifesaver. "I am already married."—New York Sun.

She smiled down at the happy boy. "I suppose that new moustache is very dear to you?" she said.

"Yes," he admitted.

"It ought to be marked down," she said—and there was a perceptible emphasis on the "down."—Cleveland Plain Dealer.

"They say," said Mrs. Oldcastle, "that Mr. Faddlethwaite, who used to belong to our church, has become an agnostic." "Is that so? Josiah used to take his lunch at the same place he did downtown, and he says he often warned him that he'd get it if he didn't give up eatin' so fast."—Chicago Record-Herald.

For to travel hopefully is a better thing than to arrive, and the true success is to labor.—Robert Louis Stevenson.

The United States ranks sixteenth as a wine producing country. Our annual output is but a fiftieth of that of France.

Count Nottapenni—"Las' night I giv ze leetle heent to Miss Roxley zat I would like she should marry wiz me." Ascum—"And did she give you any encouragement?" Count Nottapenni—"I do not know. She simply say to me. 'What kinda ze nerve food do you use?'"—Philadelphia Press.

FITS Permanently cured. No fits or nervousness after first day's use of Dr. Kline's Great Nerve Restorer. Send for FREE \$2.00 trial bottle and treatise. DR. R. H. KLINE, Ltd., 931 Arch St., Philadelphia, Pa.

Immune Hogs PROOF for life with Ridge-way's new hog Vaccine—ten cents a litter. Guaranteed \$10,000.00 security. Agents wanted.

ROBT. RIDGEWAY, Box 501, Amboy, Ind.

*Invest Some Money In
GINSENG FARMS*

Coming great industry, where your money will double. Absolutely illustrated Book and special inducements on application. Address, CONSOLIDATED GINSENG FARMERS, Box D, Ross Hill, L. I.

Drunkard Is your husband, son or father a

If so, send us your name and address with 6 cents to cover postage, packing, etc., we will send you a package of our "Secret Cure" in a plain package with full directions free, how to give it in tea, coffee, etc. It is a definite treatment and will cure this disease, quickly and permanently. Send the patients to our office. It is a safe, reliable, effective "Secret Cure" for the Drink Habit, and will set you nothing but try it. Good for both sexes.

MILO DRUG CO., Dept. 118 St. Louis, Mo.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.

A doctor to see, "ria," "r" new re-ventilating, telligen- enough to be a c-traced the case. We were not ha-eating hours.